

*Pat,  
from  
J. A. Schutt*

**Technical Report**

**for**

**ALLIED CORPORATION  
BOX 2251R  
COLUMBIA TPKE/PARK AVE.  
MORRISTOWN, NJ 07960**

**Chain of Custody Data Required for ETC Data Management Summary Reports**

K7883 - K7884	ALLIED CORPORATION	SHADENJTAP						
ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed	Hours	

*Denis C. K. Lin*

**Denis C. K. Lin, Ph.D.  
Vice President  
Research and Operations**

328218



FEB 6, 1986

# TABLE 1: QUANTITATIVE RESULTS and QUALITY ASSURANCE DATA

## Conventional Analysis Data (QR10)

Chain of Custody Data Required for ETC Data Management Summary Reports

K7883 ALLIED CORPORATION

SHADENJTAP OSEP OUTLET 860120 0830

ETC Sample No.

Company

Facility

Sample Point

Date

Time

Elapsed  
Hours

NPDES Number	Results									
	Sample Concen. mg/l	MDL mg/l								
Phenolics, Total	.789	.050								
Total Organic Carbon	27.6	1.0								
Total Organic Carbon	28.1	1.0								
Oil and Grease	<1	1								
Solids, total suspended	20	2								



## **Appendix D**

### **Subcontractor's Data**

- 1) A copy of the originating subcontractor's report is included for all data not generated within ETC's laboratory.



# Subcontracted Analytical Results

813

ETC Job # KY 884

ID: LB6065-L2

Facility:

Sample Point:

mitted by: AEMChyun

Facility Code

Source Code

Sample Point ID

OB: 2/6/86

Date Sampled:

Time Sampled:

Y Y M M D D

H H M M

Line No.	Parameter	Table	Units Of Measure	Value	MDL	Comments
<b>CONVENTIONALS</b>						
1	Chloride	QR 10	mg/l			
2	Fluoride	QR 10	mg/l			
3	Nitrate as N	QR 10	mg/l			
4	Sulfate as SO4	QR 10	mg/l			
5	Phenolics, Total	QR 10	mg/l			
6	Total Organic Halides (TOX)	QR 10	ug/l			
	Total Organic Halides (TOX)	QR 10	ug/l			
	Total Organic Halides (TOX)	QR 10	ug/l			
	Total Organic Halides (TOX)	QR 10	ug/l			
7	Total Organic Carbon	QR 10	mg/l			
	Total Organic Carbon	QR 10	mg/l			
	Total Organic Carbon	QR 10	mg/l			
	Total Organic Carbon	QR 10	mg/l			
8	Specific Conductance (Lab)	QR 10	um/cm			
	Specific Conductance (Lab)	QR 10	um/cm			
	Specific Conductance (Lab)	QR 10	um/cm			
	Specific Conductance (Lab)	QR 10	um/cm			
9	pH (Lab)	QR 10	std			
	pH (Lab)	QR 10	std			
	pH (Lab)	QR 10	std			
	pH (Lab)	QR 10	std			
10	Coliform, Total	QR 10	C/100			
11	Coliform, Fecal	QR 10	C/100			
12	Gross Alpha	QR 10	PCi/l			
13	Gross Beta	QR 10	pCi/l			
14	Acidity as CaCO3		mg/l			
15	Alkalinity as CaCO3		mg/l			
16	Ammonia as N		mg/l			
17	Bicarbonate as CaCO3		mg/l			
18	Biochemical Oxygen Demand		mg/l			
19	Carbonate as CaCO3		mg/l			
20	Chemical Oxygen Demand		mg/l			
21	Color, Apparent (Lab)		Pt/Co			
22	Cyanide, Total		mg/l			
23	Hardness as CaCO3		mg/l			
24	Nitrite as N		mg/l			
25	Nitrogen Total Kjeldahl (TKN)		mg/l			
26	Nitrogen, Total Organic		mg/l			
27	Odor (Lab)		TON			
28	Oil and Grease (grav. IR)		mg/l	<1	1	
29	Phosphate, ortho		mg/l			
30	Phosphate, Total		mg/l			
31	Solids, Total		mg/l			
32	Solids, Total Dissolved (ROE) 180°		mg/l			
33	Solids, Total Suspended		mg/l	18	2	
34	Sulfide as S		mg/l			
35	Surfactants (MBAS/LAS)		mg/l			
36	Turbidity (Lab)		NTU			

## **Appendix E**

### **Chain-of Custody Forms**

- 1) A field Chain-of-Custody form (CC1) is included for all samples shipped by ETC shuttle.
- 2) An in-house sample Chain-of Custody form is included for all samples not shipped by ETC shuttle.
- 3) Any additional Chain-of-Custody material provided by a client or by a client's sampling agent is also included.
- 4) A subcontractor's Chain-of-Custody form is included for any analytical work not performed within ETC's laboratory.
- 5) Analysis and Extraction Custody forms are included for the period the sample was in ETC's possession.

CHAIN OF CUSTODY

Company: ALLIED - Signal Job No. \_\_\_\_\_

Address Shady Side SITE  
163 River Rd Edgewater N.J. 07020

Attention: \_\_\_\_\_

Sample Description: Reid 1 sealed Shettle

1.20.86 CR

Sample(s) Relinquished by: [Signature]

Time: 0931 Date: 1.20.86

Sample(s) Received by: Camelia

Time: 0931 Date: 1.20.86

Seal No. 47383 ETC Job # K7884  
Date Sealed 12/4/85 By: Klarra

Attn.: MARK KAMILOW  
Phone: (202) 641-8924

[illegible][illegible]

1.	Shuttle Opened By: (print) _____	Date: _____	Time: _____
	Signature: _____	Seal #: _____	Intact: _____
2.	I have received these materials in good condition from the above person.		
	Name: _____	Signature: _____	
	Date: _____	Time: _____	Remarks: _____
3.	I have received these materials in good condition from the above person.		
	Name: _____	Signature: _____	
	Date: _____	Time: _____	Remarks: _____
4.	Shuttle Sealed By: (print) _____	Date: _____	Time: _____
	Signature: _____	Seal #: _____	Intact: _____
ETC USE ONLY Opened By: _____ Date: 1.20.86 Time: 1000			
Seal #: 47384 Condition: intact			



SAMPLE #	CONC.	SAMPLE #	CONC.
1 L1173	BMDL	30 L0975	BMDL
2 L1179	BMDL	31 K6575	BMDL
3 K8978	BMDL	32 K6585	BMDL
4 K9901	0.115	33 K6594	BMDL
5 L0441	BMDL	34 L0365	0.0617
6 L0119	1.06 <sup>1110</sup>	35 L0556	0.0782
7 K6558	BMDL	36 K9882	BMDL
8 K6584	BMDL	37 L0079	0.0340
9 K6593	BMDL	38 L0128	2.24 <sup>1100</sup>
10 K7307	BMDL	39 L0138	0.180 <sup>112</sup>
11 L0364	BMDL	40 L0139	0.108
12 K8897	BMDL	41 L0440	4.36 <sup>1120</sup>
13 K8898	BMDL	42 L0141	0.0887
14 K8899	BMDL	43 L0442	BMDL
15 L0269	BMDL	44 L0143	BMDL
16 L0273	BMDL	45 L0112	BMDL
17 L0274	BMDL	46 L1176	BMDL
18 L0306	BMDL	47 L0266	BMDL
19 L0557	BMDL	48 L0269	BMDL
20 L0557	BMDL	49 L0710	BMDL
21 K4845	0.0257	50	
22 K6573	0.0257	51	
23 K6599	0.0222	52	
24 L0708	ND	53	
25 L0709	counted S.A.D.	54	
26 L0710	26	55	
27 K7883	0.789 <sup>1110</sup>	56	
28 K7784	0.111	57	
29 L0275	0.037	58	

UNITS: MG/L

Detection limit = 0.050  
= 0.020 mg/l

## COMMENTS:

&lt; = less than 0.020mg/l

STDA = 0.05

STAB = 0.10

STAC = 0.200 (255)

STAD = 0.300

Spike Blank Recovery = 0.0857 / 0.10 = 86%

EPA Std. Rec. = 0.165 / 0.144 = 115%

Method Blank (mg/L) = 0.

## SPIKE RECOVERY

SAMPLE #:	L0266	L0112	K6558
REPLICATE 1:	BMDL	0.0296	BMDL
REPLICATE 2:	BMDL	0.0258	BMDL
MEAN:	BMDL	0.0277	BMDL
STD. DEV.:			
SPIKE VALUE:	0.100	0.100	0.100
REPLICATE 1:	0.106	0.0863	0.108
REPLICATE 2:			
MEAN:			
STD. DEV.:			
% RECOVERY:	106%	86%	108%

## REPLICATE DATA:

SAMPLE #	:	:	:
REPLICATE 1:			
REPLICATE 2:			
MEAN			
STD DEV.			

ANALYST: Deborah Kay  
DATE: 1/30/86VERIFIED BY:  
Paula E. Kolens

2/3/86

1/31/86  
Paula

Form Page No. 1

UNCALIBRATED

400ppm

182.3  
181.7  
183.5  
180.5

Log Link#

(U3161)

SAMPLE#

K9123

3.  
4.  
4.  
4.

99.1%

CALIBRATE

396.3

(U3206)

L0808

2.6  
2.6  
2.3  
2.5

0.9

H<sub>2</sub>O

0.909

1.1

1.083

98.2%

400ppm

392

113.1%

10ppm

11.31

111.1%

11.11

92.3%

1000ppm

922.8

90.9%

909.9

L0808

6.8  
6.4  
6.9  
6.5

124.8%

WP 1284

QC#1

\*5.117

RANGE-(1.8 - 6.99)

3.37

L0810

104.9%

\*4.301

2.6  
2.7  
2.6  
2.4

97.1%

WP 1284

QC#2

59.53

RANGE-(49.2 - 72.0)

60.03

97.9%

97.5%

400ppm

389.9

98.7% 400ppm

394.9

(U3164)

K7883

27.6  
27.6  
28.14

K7884

17.16  
17.54

To Page No.

Witnessed &amp; Understood by me

[Signature]

Date

2/1/86

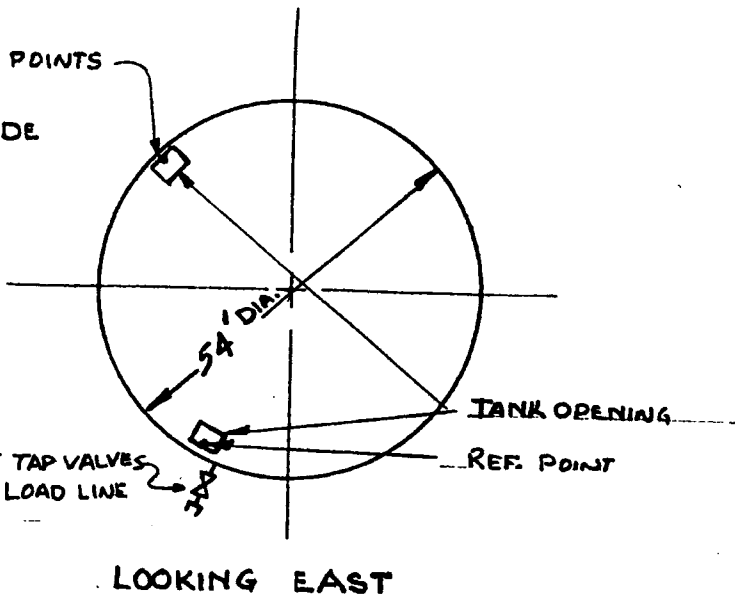
Invented by

[Signature]

Date

11/30/86

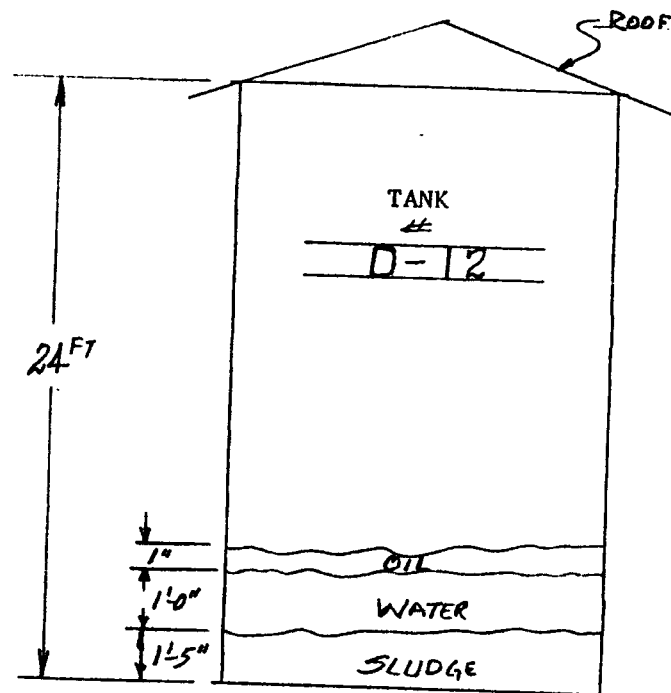
2



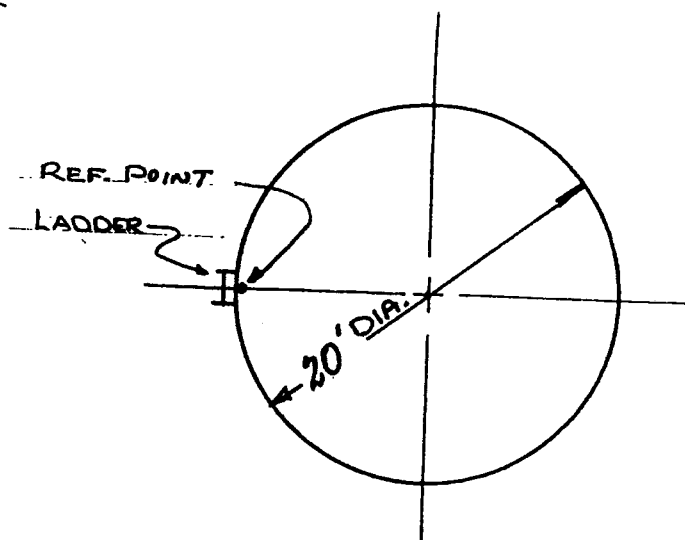
## PLAN

\*Includes oil, water and sludge. \*\* FROM NEW HOT TAP VALVE

2.



### ELEVATION

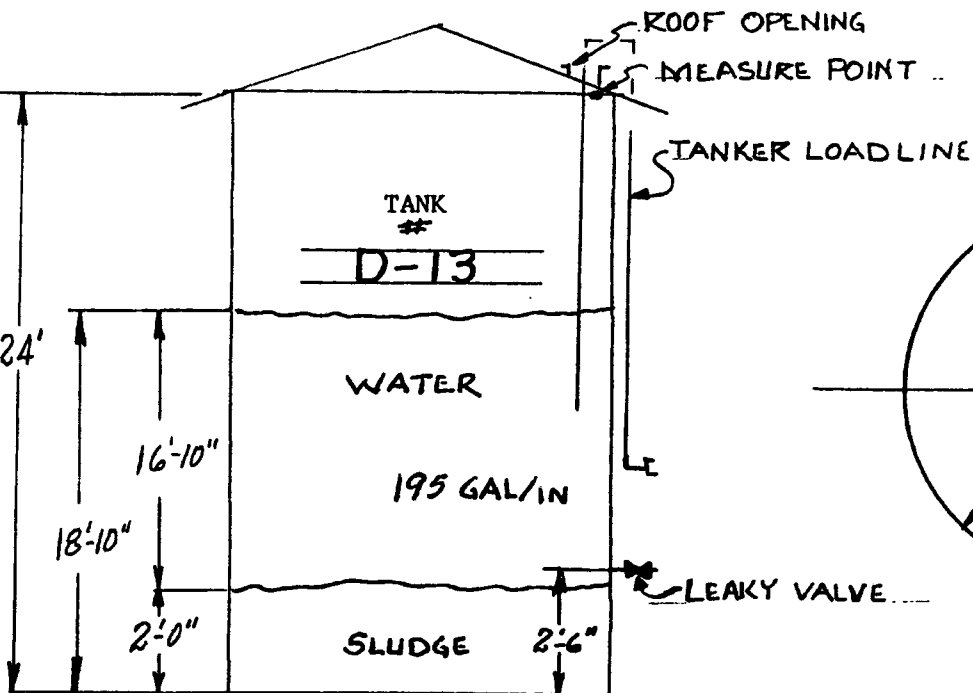


## PLAN

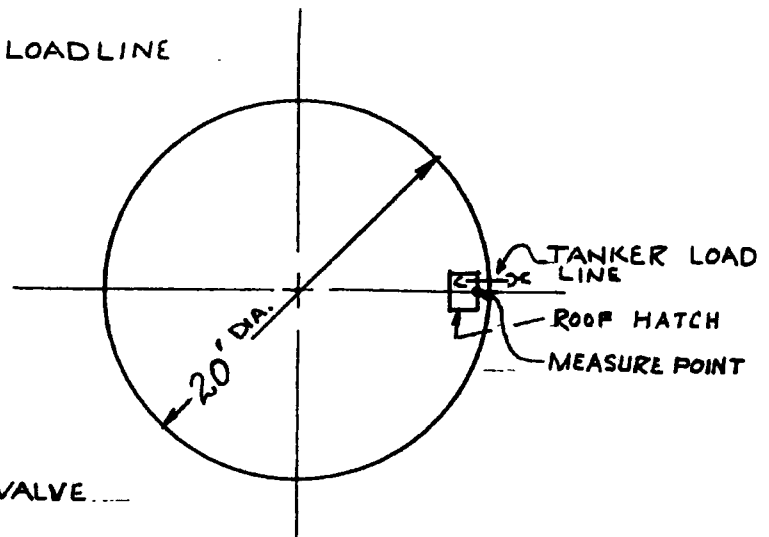
[illegible]

cludes oil, water and sludge.

## 2



### ELEVATION

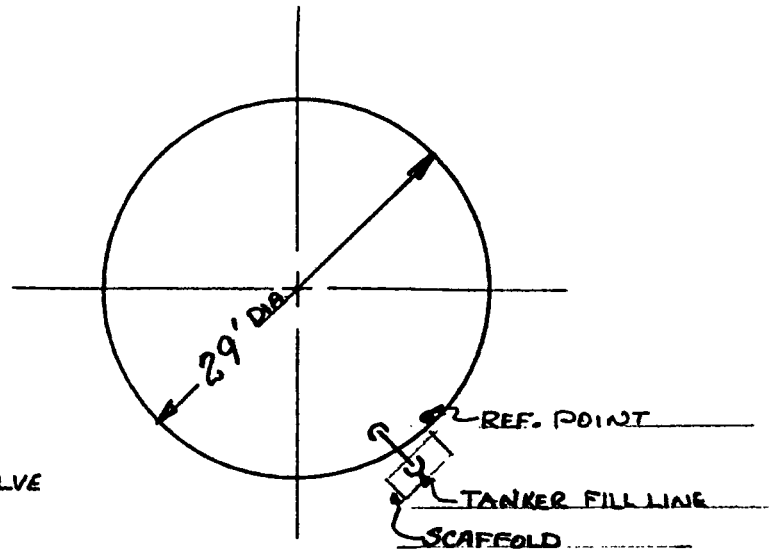


## PLAN

[illegible]

\*Includes oil, water and sludge.

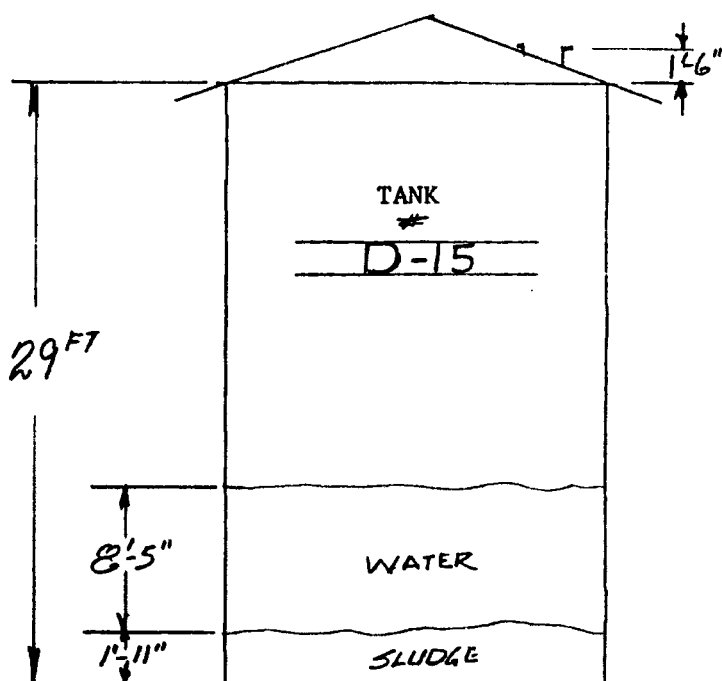
## 2



## PLAN

\*Includes oil, water and sludge.

2



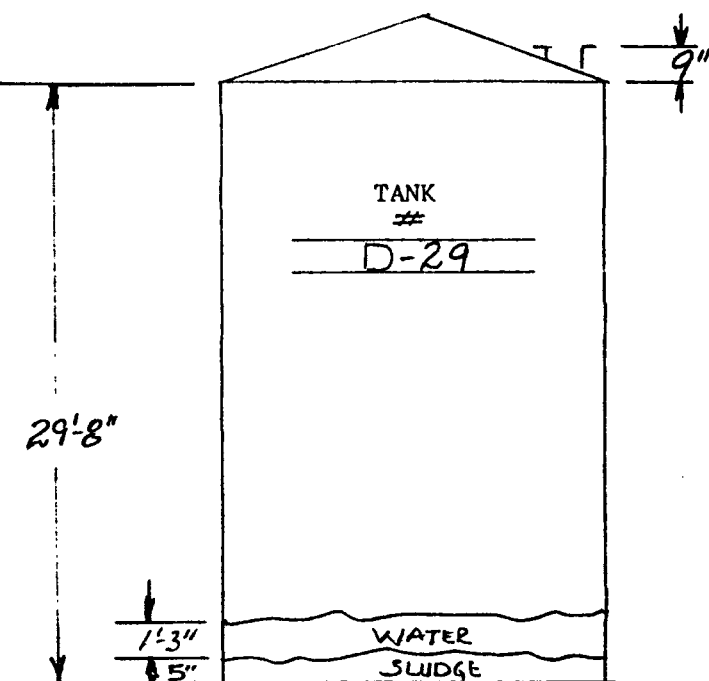
A hand-drawn diagram of a circular manhole. A vertical line and a horizontal line intersect at the center of the circle. A diagonal line with arrows at both ends passes through the center, labeled "29' DIA.". A line segment extends from the top of the circle, labeled "LADDER". Another line segment extends from the top right of the circle, labeled "MANHOLE REF. POINT".

## PLAN

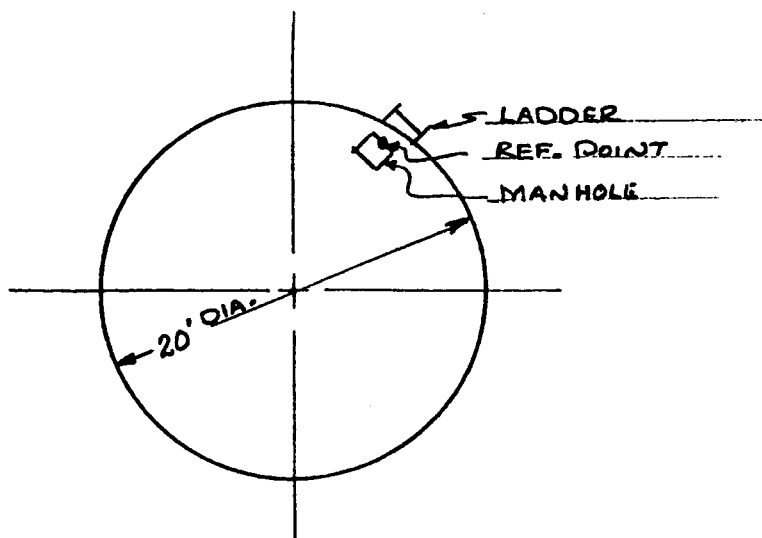
[illegible]

\*Includes oil, water and sludge.

## 2



### ELEVATION

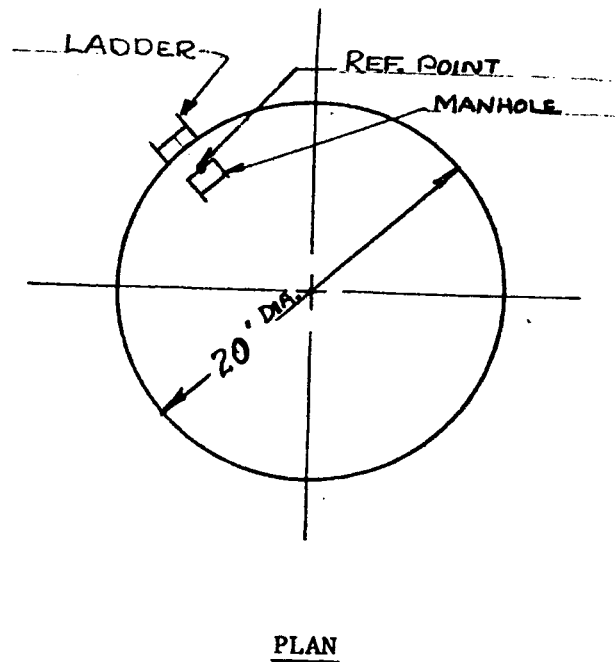
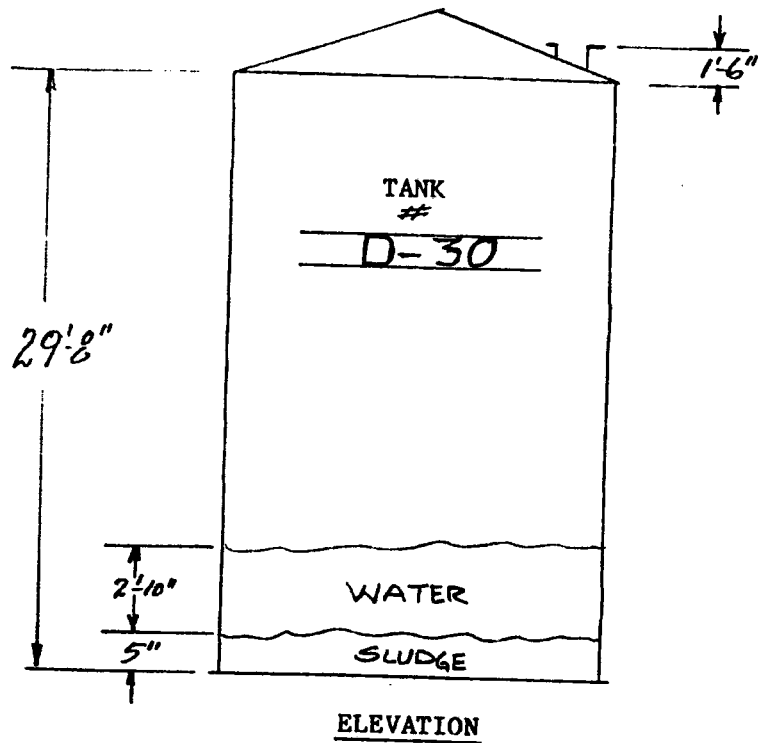


### PLAN

[illegible]

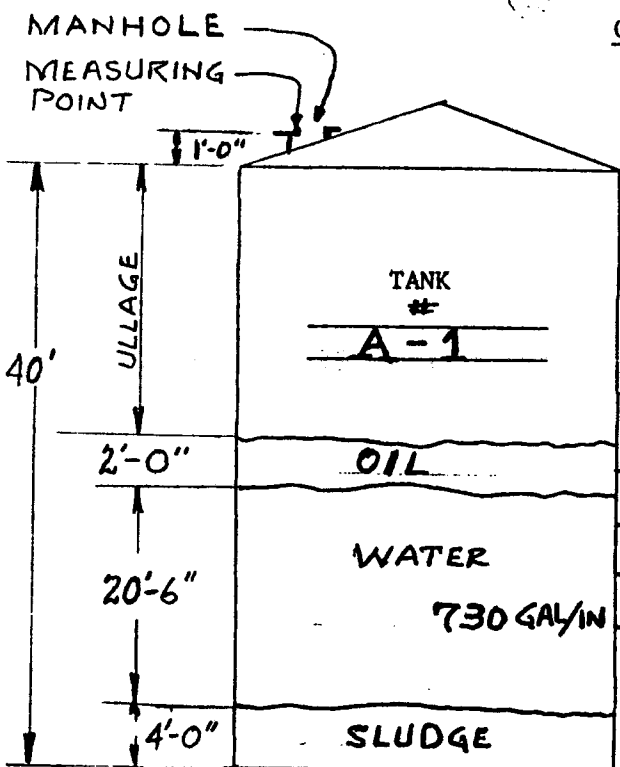
\*Includes oil, water and sludge.

2

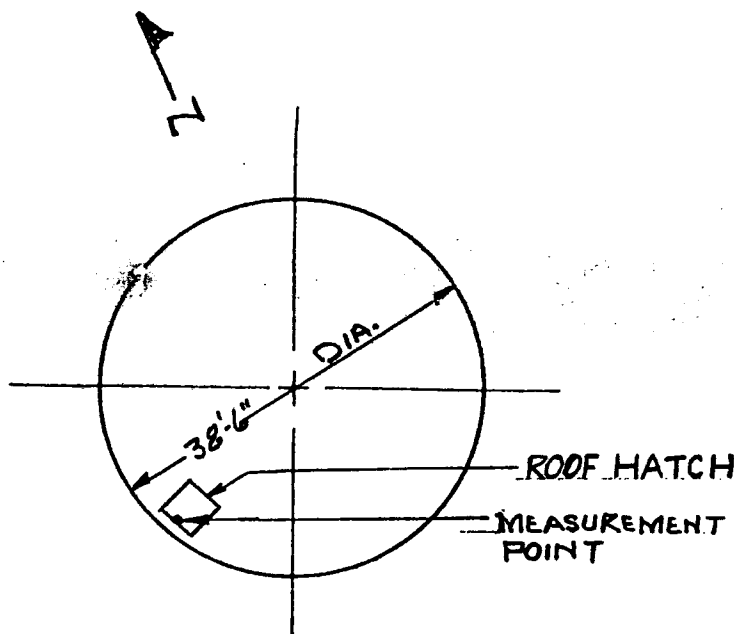
[illegible]

Includes oil, water and sludge.

QUANTA - TANK INVENTORY



### ELEVATION



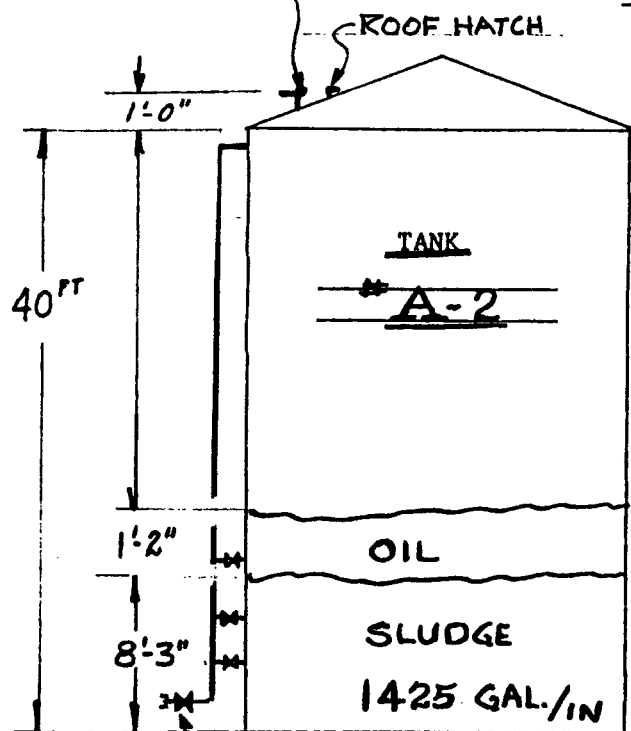
## PLAN

[illegible]

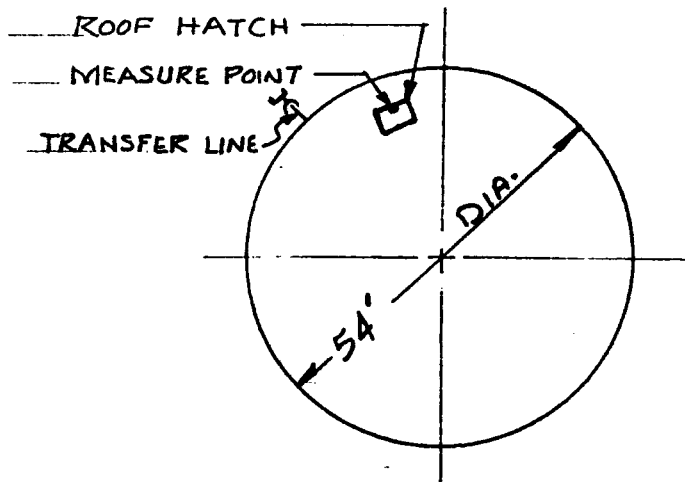
\*Includes oil, water and sludge.

\*\*\* TRANSFERRED TO A-2  
\*\*\* MEASURED BY SONAR

### MEASURE POINT



TRANSFER  
LOAD LINE

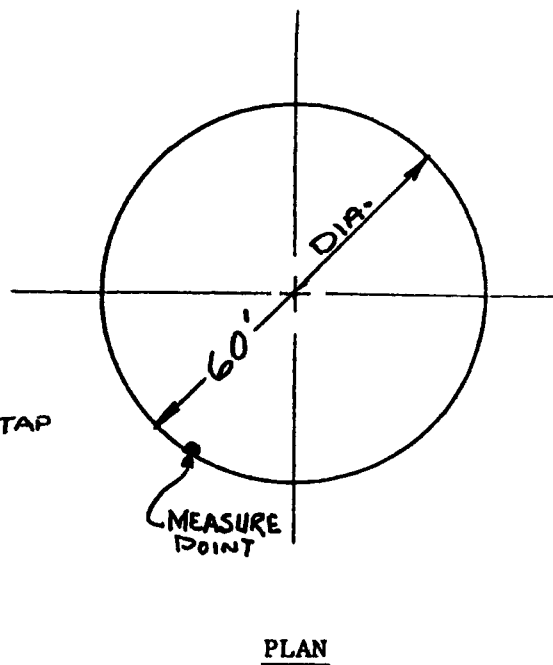
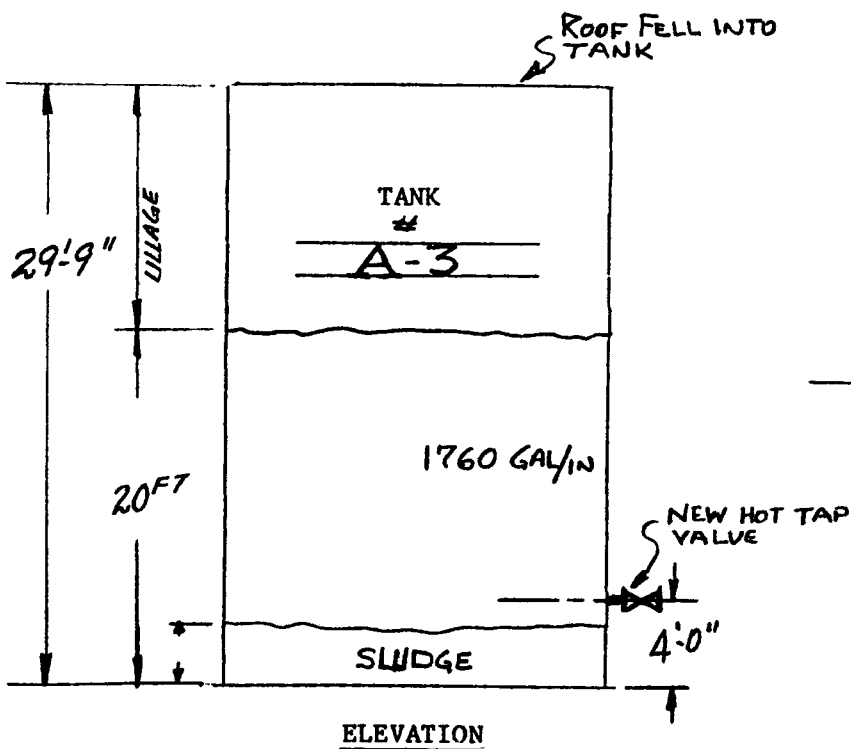


## PLAN

[illegible]

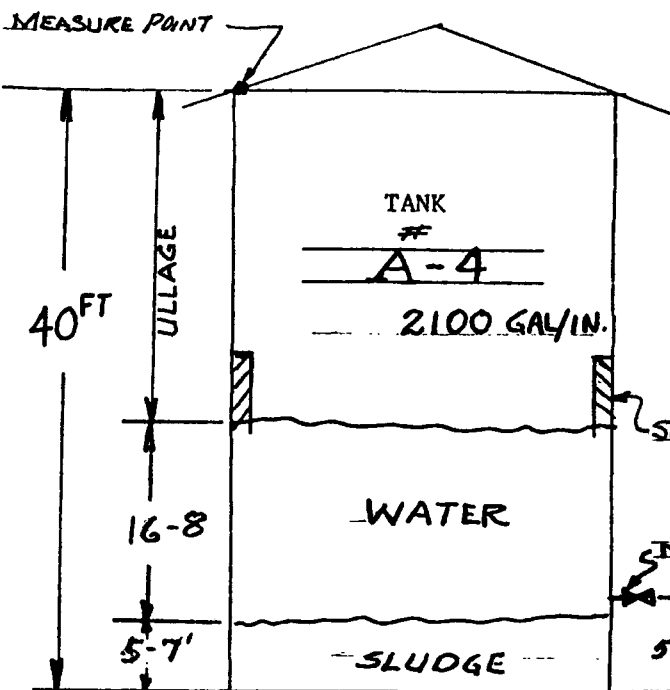
**\* TRANSFERRED FROM A-1**

21

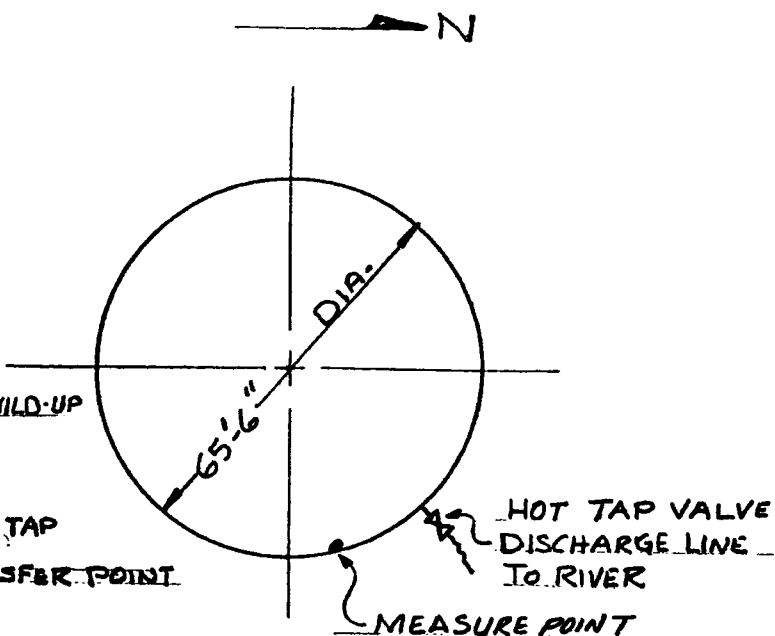
[illegible]

\*Includes oil, water and sludge.

QUANTA - TANK INVENTORY



### ELEVATION



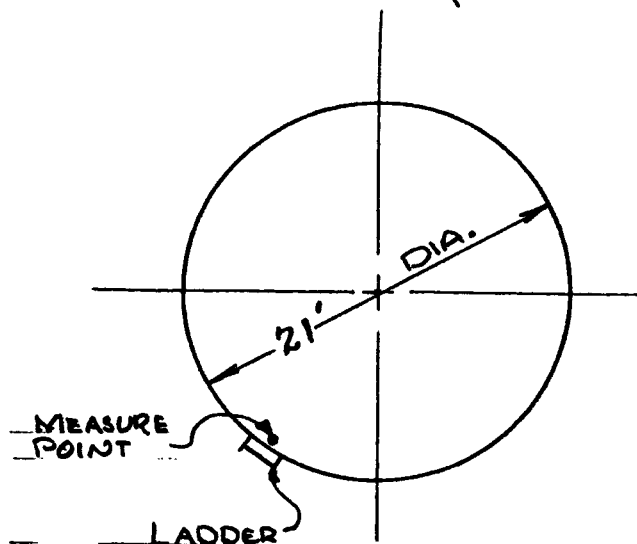
## PLAN

[illegible]

## ## WASTE CONVERSION

\*Includes oil, water and sludge.

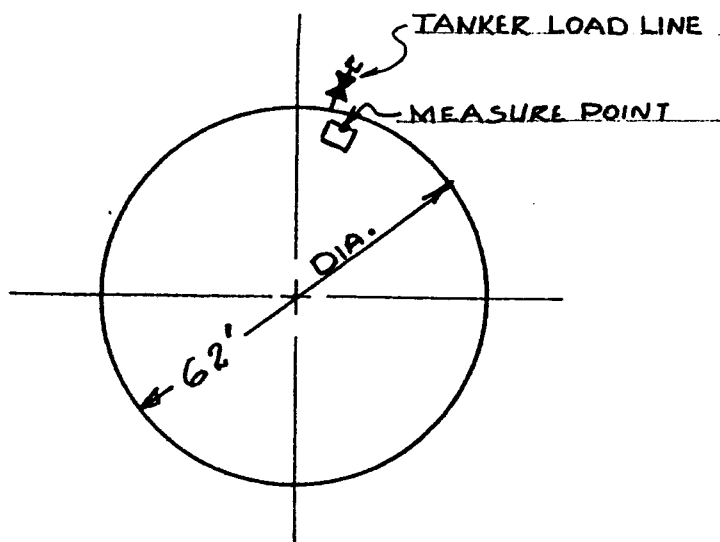
24



## PLAN

[illegible]

\*Includes oil, water and sludge.

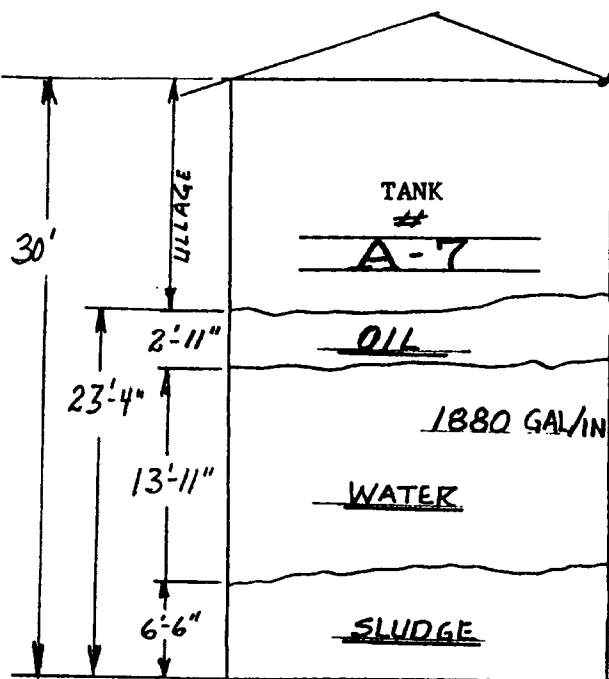


## PLAN

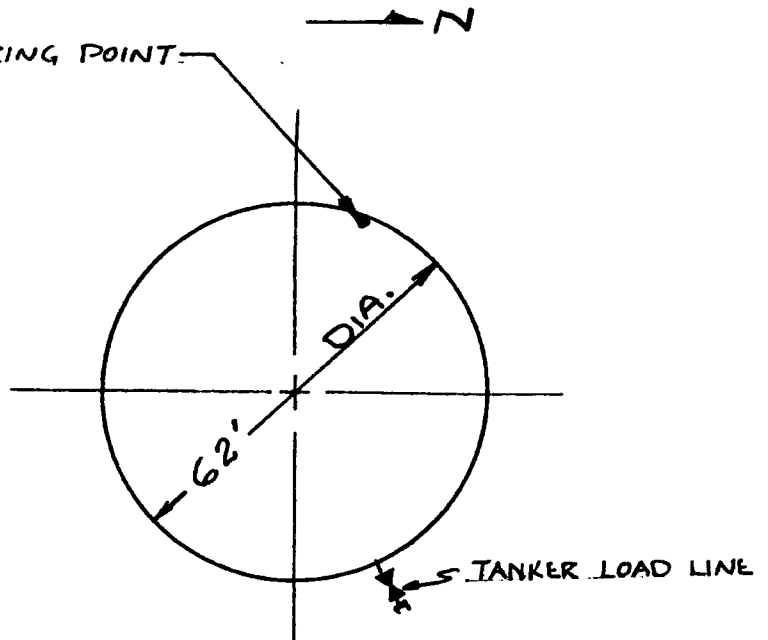
[illegible]

\*Includes oil, water and sludge.

QUANTA - TANK INVENTORY



### ELEVATION

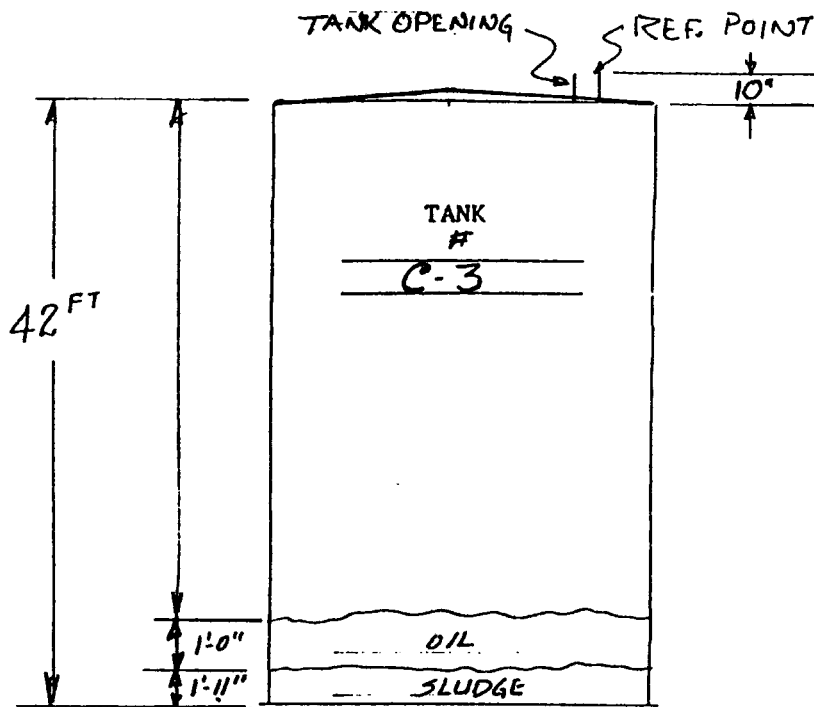


## PLAN

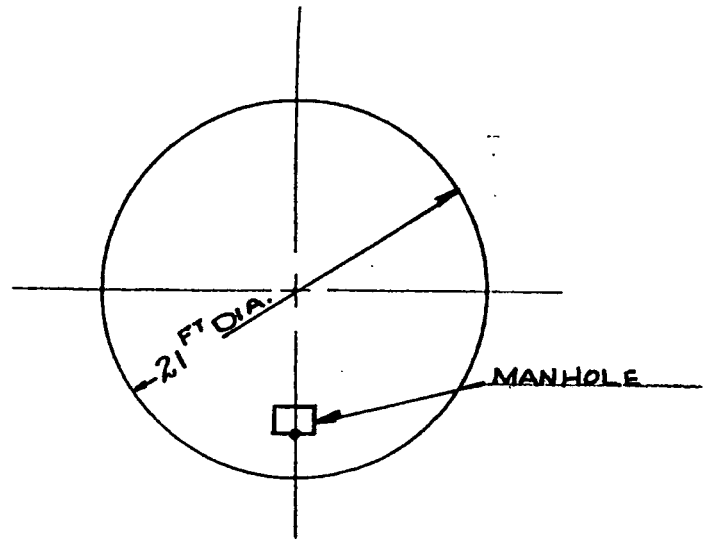
[illegible]

\*Includes oil, water and sludge.

2



### ELEVATION



## PLAN

[illegible]

**ELEVATION**

MANHOLE REF. POINT

4"

41'-6"

TANK # D-9

7'-5"

OIL

2'-4"

SLUDGE

**PLAN**

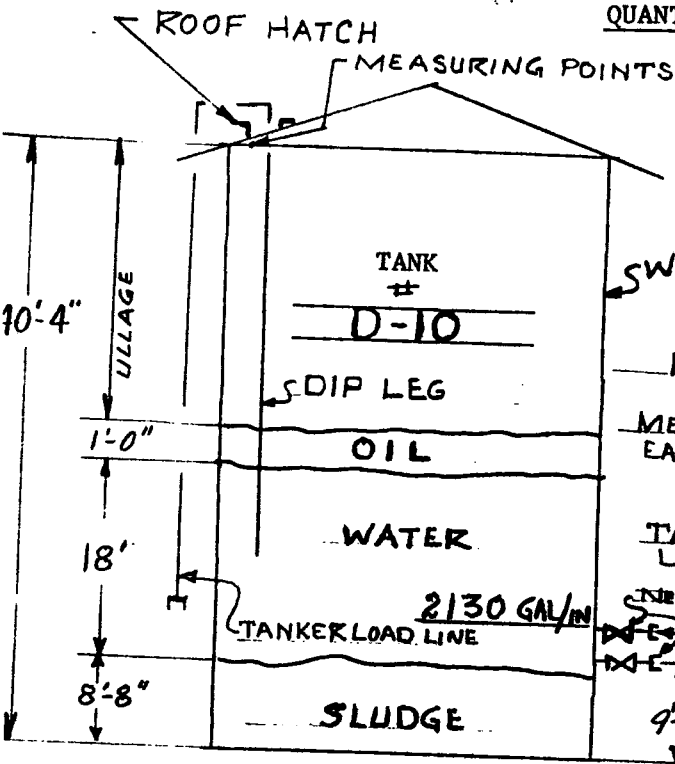
21'-6" DIA

LADDER REF. POINT MANHOLE

[illegible]

\*Includes oil, water and sludge.

# QUANTA - TANK INVENTORY



WEST SIDE

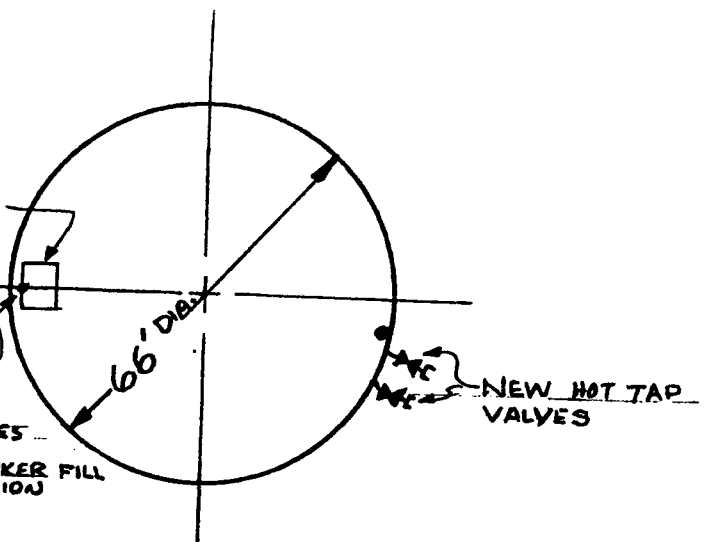
ROOF HATCH

MEASURE POINT EAST SIDE

TANKER LOAD LINE

NEW HOT TAP VALVES

NEW TANKER FILL CONNECTION



LOOKING SOUTH

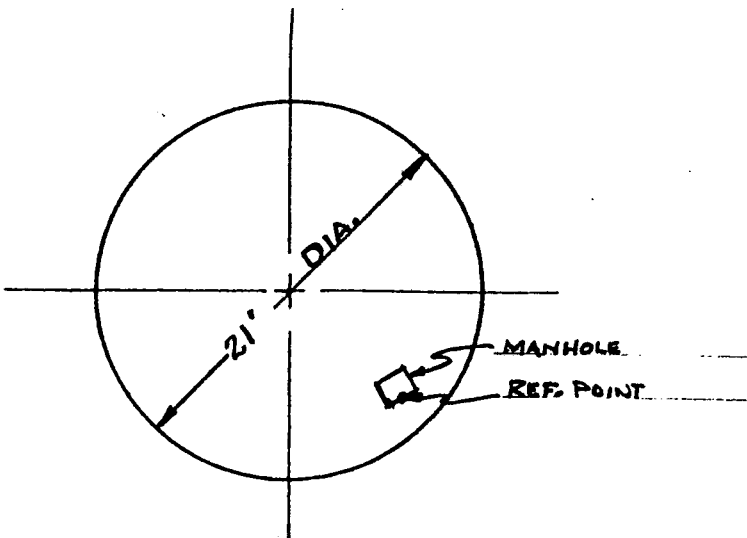
PLAN

DATE	ULLAGE FT-IN	OIL REMOVED			WATER REMOVED			TOTAL VOL. REMAINING*
		VOL. OIL REMOVED	TOTAL OIL REMOVED	VOL. OIL REMAINING	VOL. WATER REMOVED	TOTAL WATER REMOVED	VOL. WATER REMAINING	
4.3.85	3-7	Ø	Ø	25,560	Ø	Ø	956,370	981,930
4.5.85					11,080 *	11,080		
4.9.85	4-10				21,935 *	33,015		
4.10.85					44,548 *	77,563		
4.11.85					44,044 *	121,607		
4.12.85	8-4				14,643 *	136,250		
4.15.85	8-6				9,838 *	146,088		
4.16.85	9-6				17,782 *	163,870		
4.17.85	10-2				18,723 *	182,593		
4.18.85	10-4				4,584 *	187,177		
4.19.85	10-9				9,710 *	196,887		
4.23.85	12-4				13,975 *	210,862		
4.26.85					5,465 *	216,327		
4.29.85					5,071 *	221,398		
1.30.85					Ø	221,398		
5.3.85						232,478 +		
5.6.85		Ø	Ø	25,560	525 **	233,003	723,367	748,927

includes oil, water and sludge.

\* FROM DIP TUBE LINE  
\*\* FROM HOT TAP VALVE

2

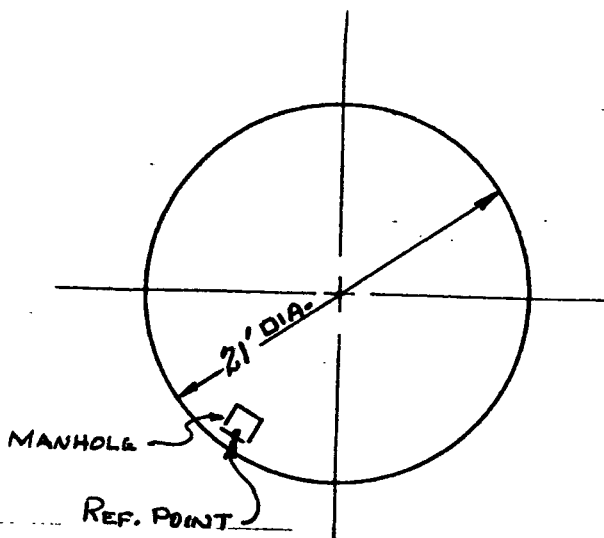


### PLAN

[illegible]

\*Includes oil, water and sludge.

2

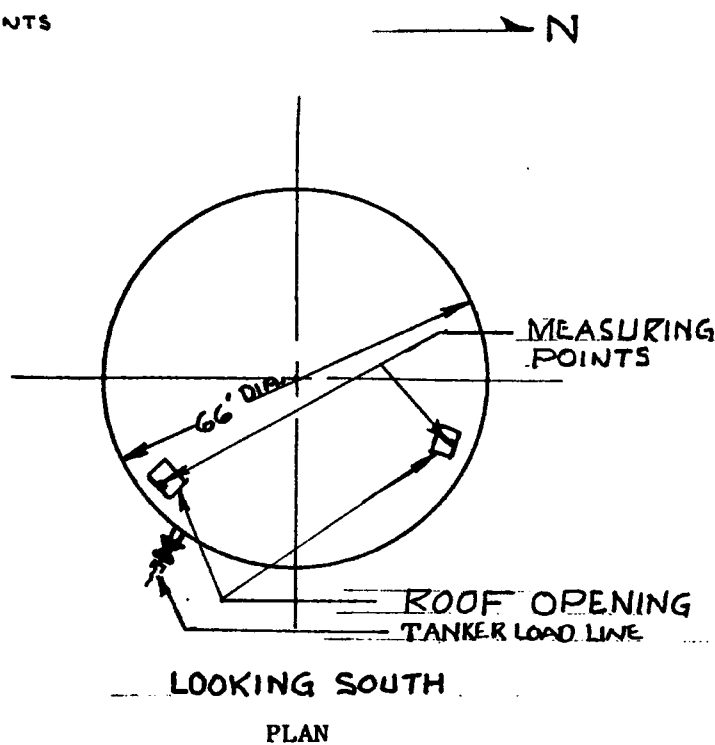


## PLAN

[illegible]

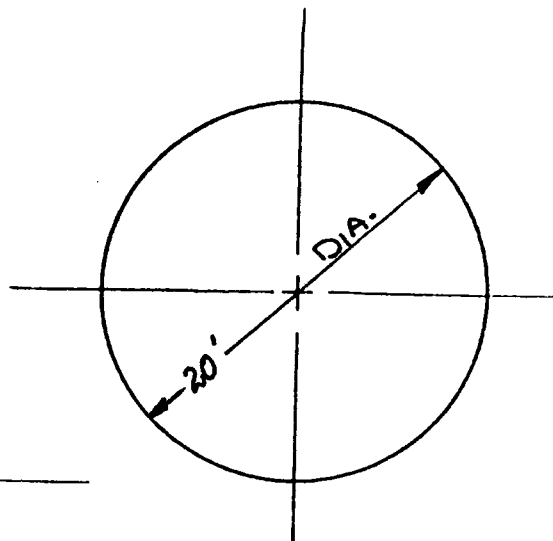
Includes oil, water and sludge.

## 6.



\*Includes oil, water and sludge.

N

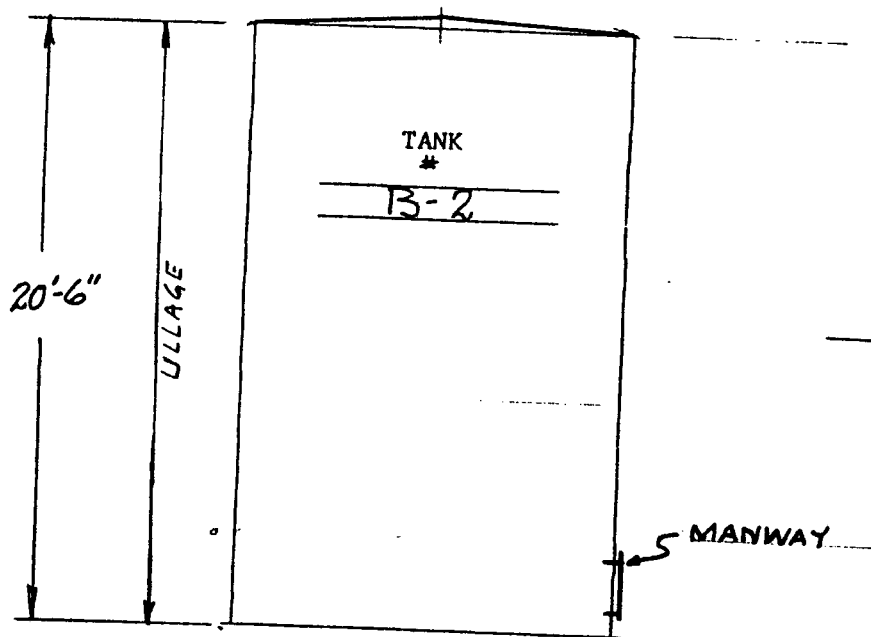


## PLAN

[illegible]

\*Includes oil, water and sludge.

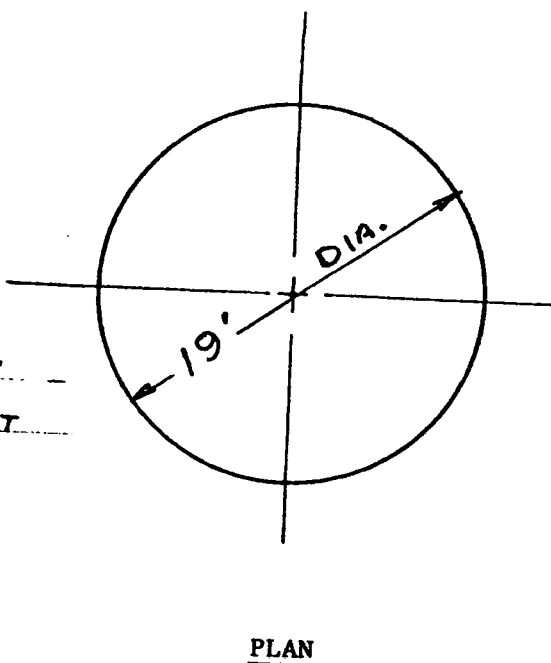
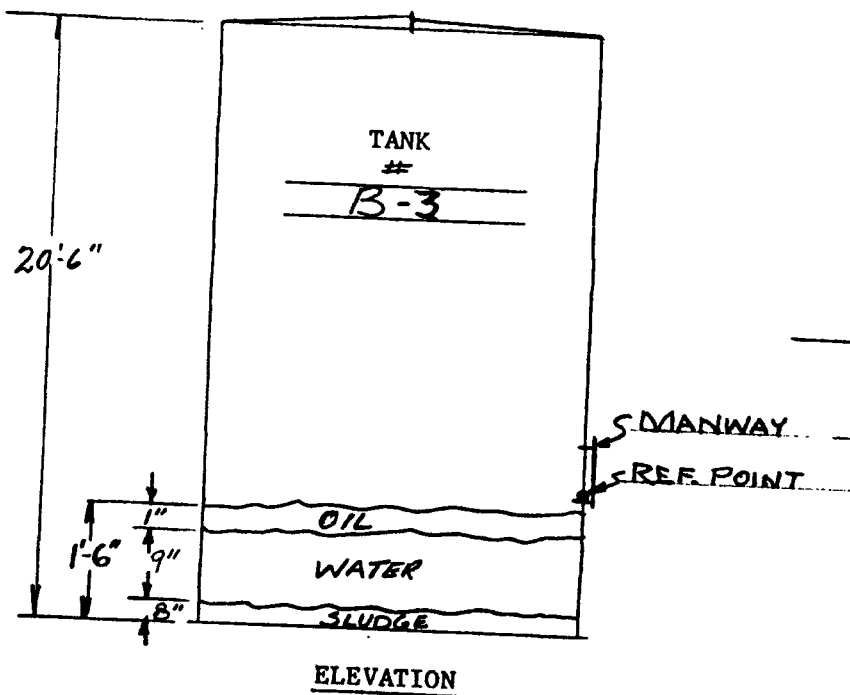
2



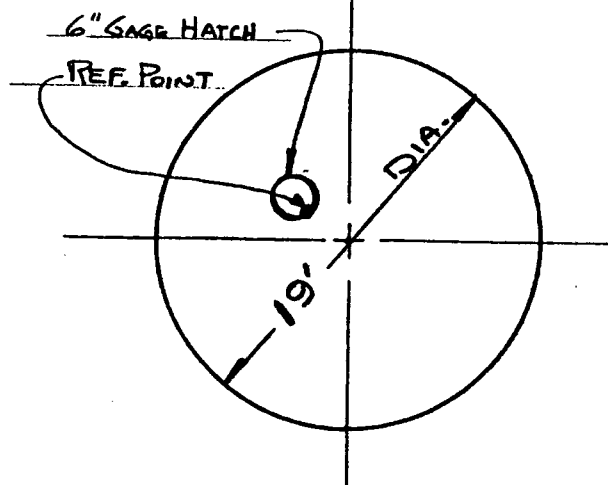
## PLAN

[illegible]

\*Includes oil, water and sludge.

[illegible]

includes oil, water and sludge.

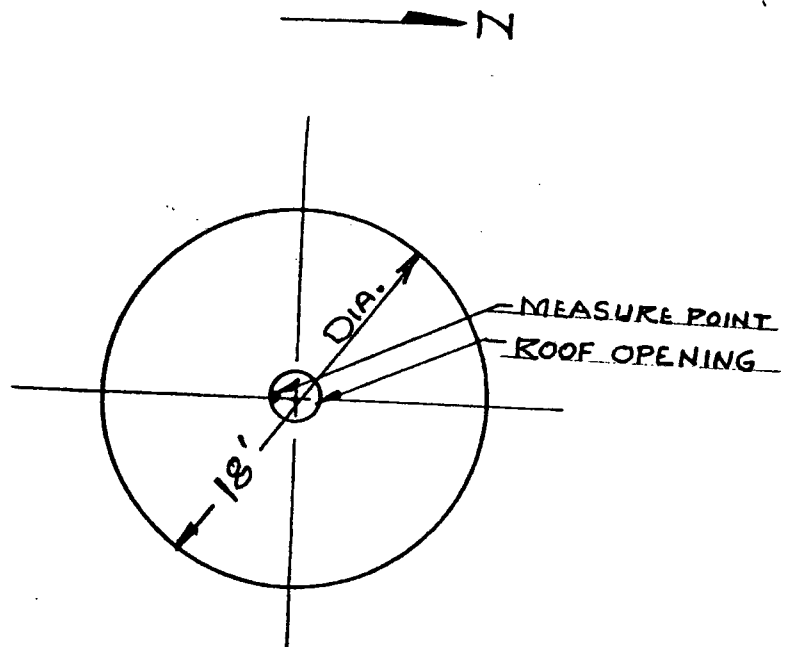


## PLAN

[illegible]

\*Includes oil, water and sludge.

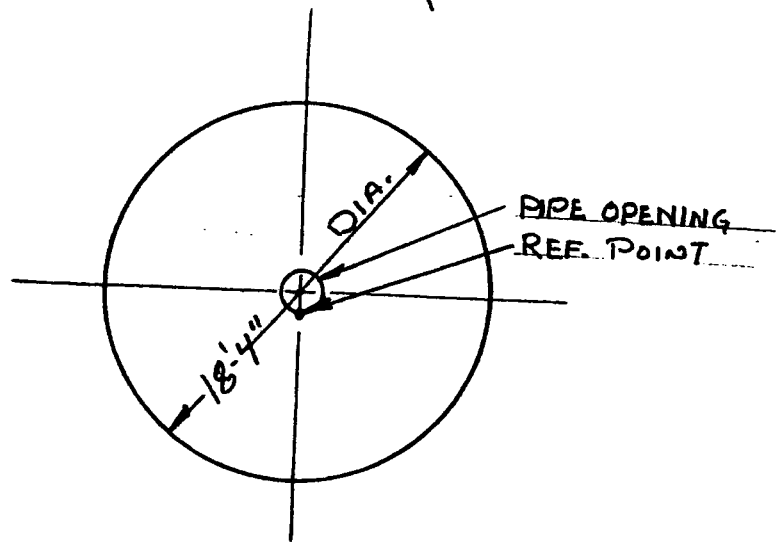
MEASURING POINT  
MANHOLE



## PLAN

[illegible]

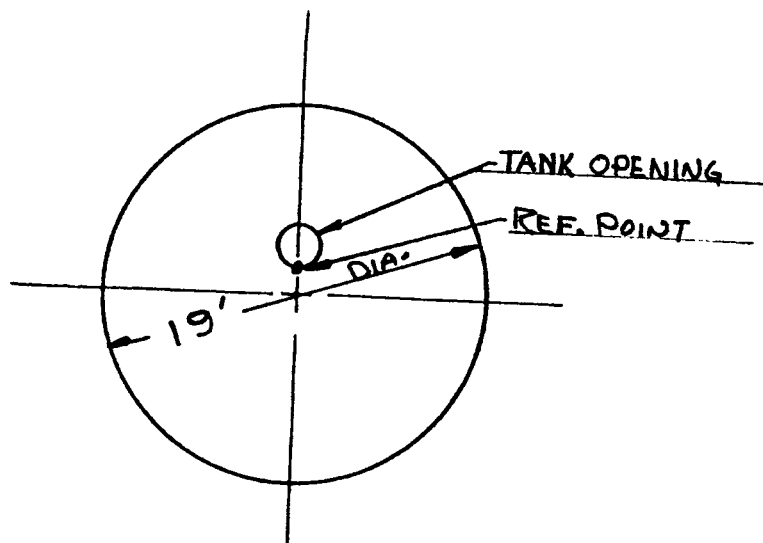
includes oil, water and sludge.



## PLAN

[illegible]

includes oil, water and sludge.

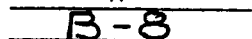


## PLAN

[illegible]

Includes oil, water and sludge.

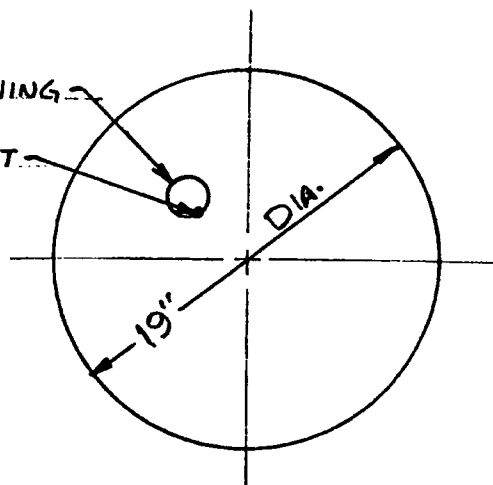
## 27



12 FT

↓  
4<sup>n</sup>

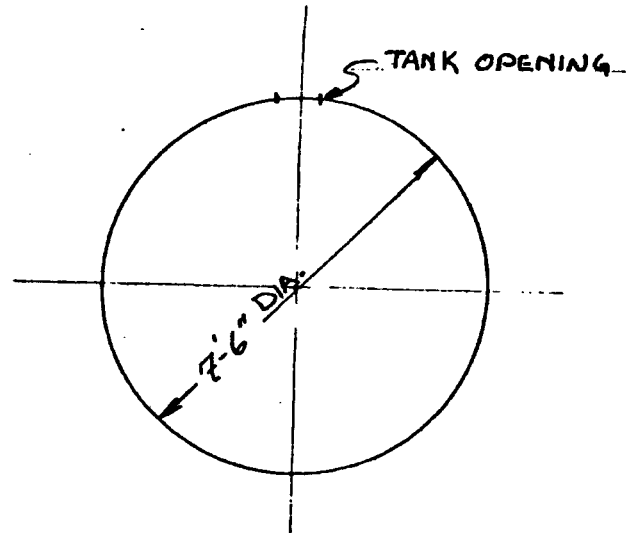
### ELEVATION



## PLAN

[illegible]

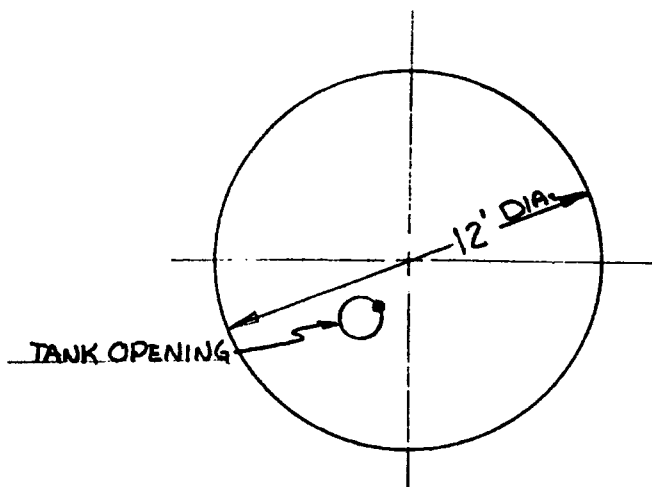
QUANTA - TANK INVENTORY



FRONT VIEW

[illegible]

\*Includes oil, water and sludge.



## PLAN

[illegible]



A hand-drawn diagram of a rectangular tank. A horizontal line represents the top surface of the tank. Two vertical lines extend upwards from this surface. The left vertical line is labeled "TANK OPENING" with a curved arrow pointing to it. The right vertical line is labeled "REF. POINT" with a curved arrow pointing to it. A horizontal line is drawn above the right vertical line, and a vertical double-headed arrow between this line and the top surface of the tank is labeled "10\"".

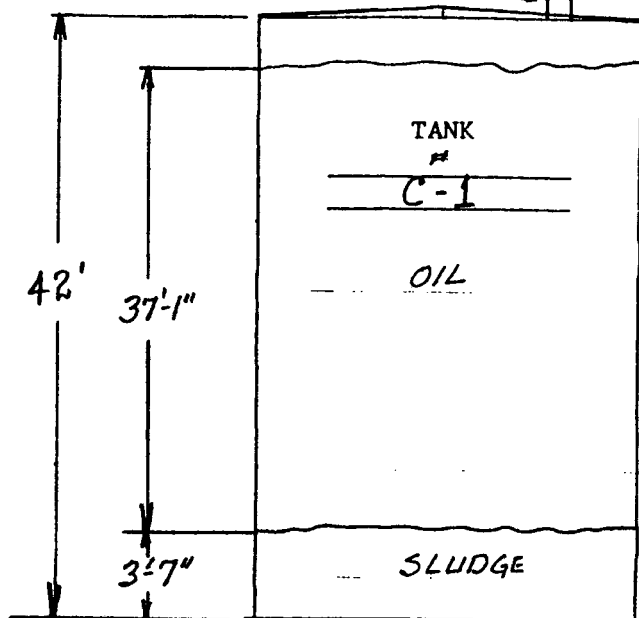


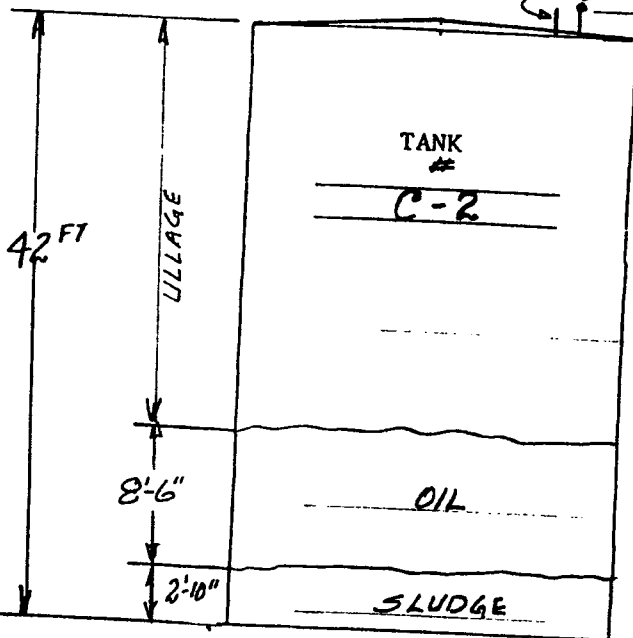
Diagram of a circular structure with a 21 FT DIA label and a MANHOLE label pointing to a small rectangle on the vertical centerline.

### PLAN

[illegible]

\*Includes oil, water and sludge.

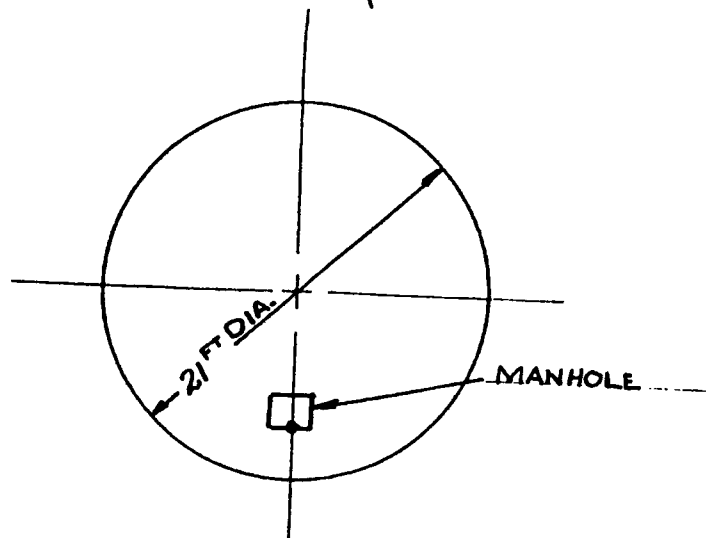
## 2



### PLAN

[illegible]

\*Includes oil, water and sludge.

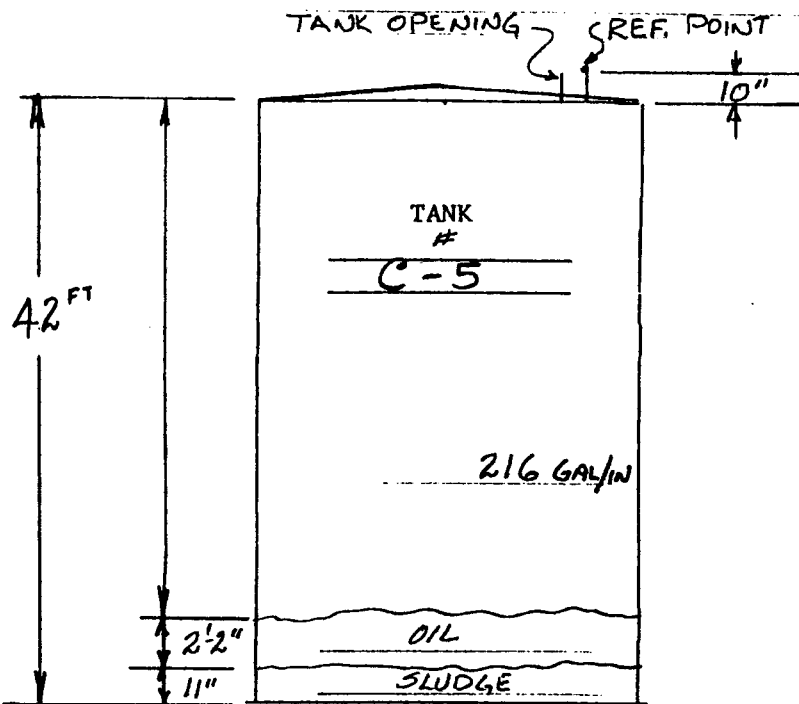


## PLAN

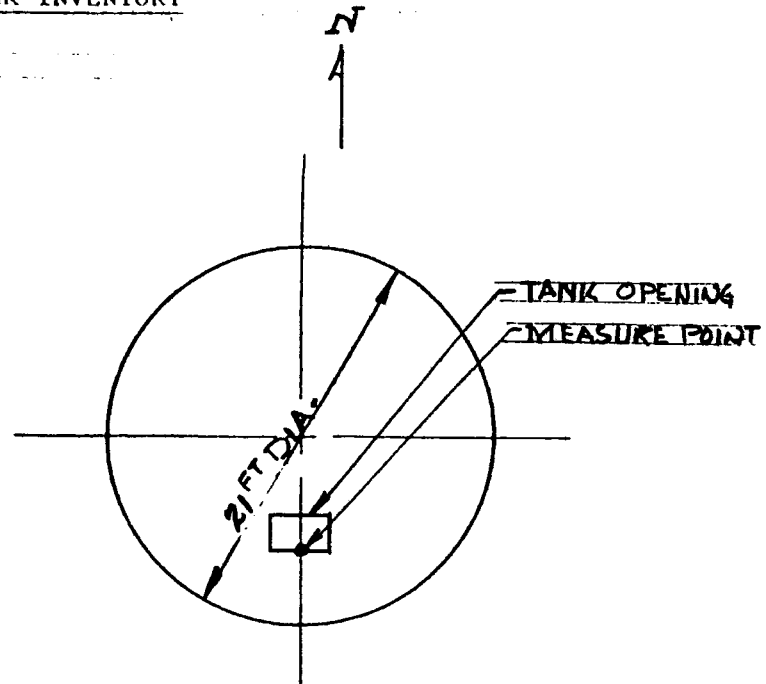
[illegible]

\*Includes oil, water and sludge.

## QUANTA - TANK INVENTORY



### ELEVATION



## PLAN

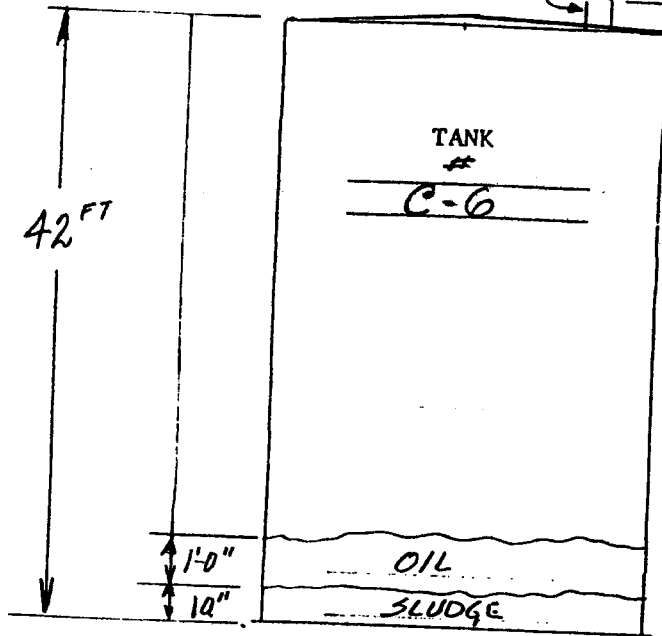
[illegible]

\*Includes oil, water and sludge.

TANK OPENING

REF. POINT

10"

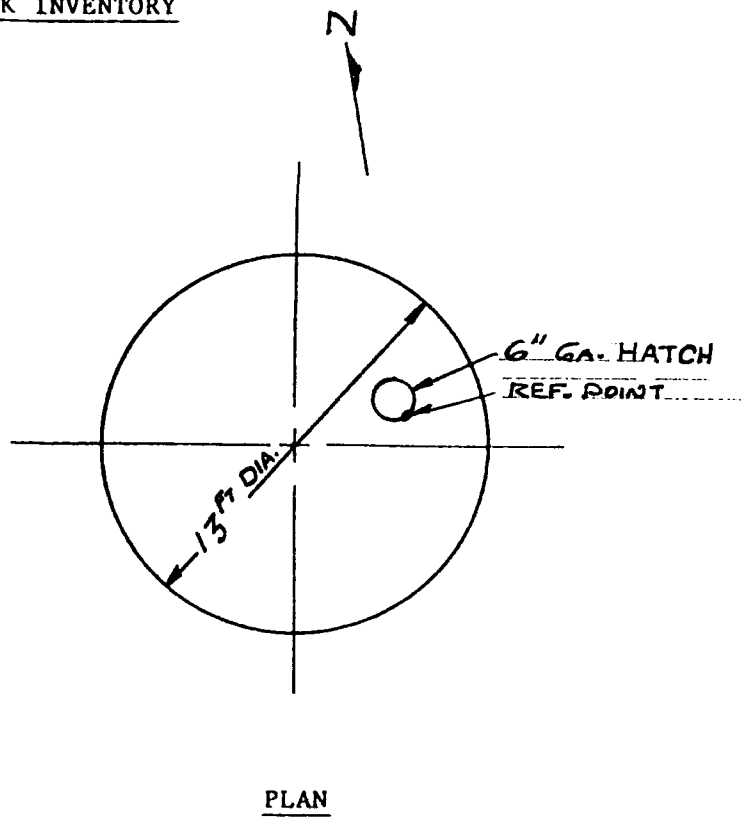
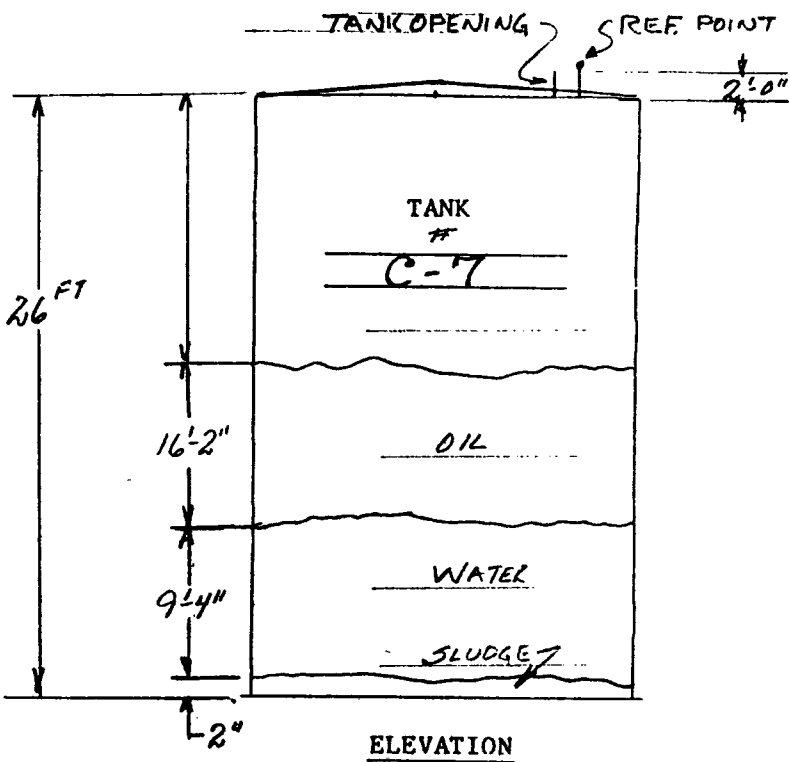


A hand-drawn diagram of a circular manhole. A circle is centered on a vertical line. A horizontal line and a diagonal line intersect at the center. A label "21 FT DIA" with arrows at both ends is placed along the diagonal line, indicating the diameter. A small rectangle is drawn on the vertical line just below the center, with an arrow pointing to it from the label "MANHOLE". A north arrow, represented by a line with a 'Z' at its tip, points towards the top right of the diagram.

[illegible]

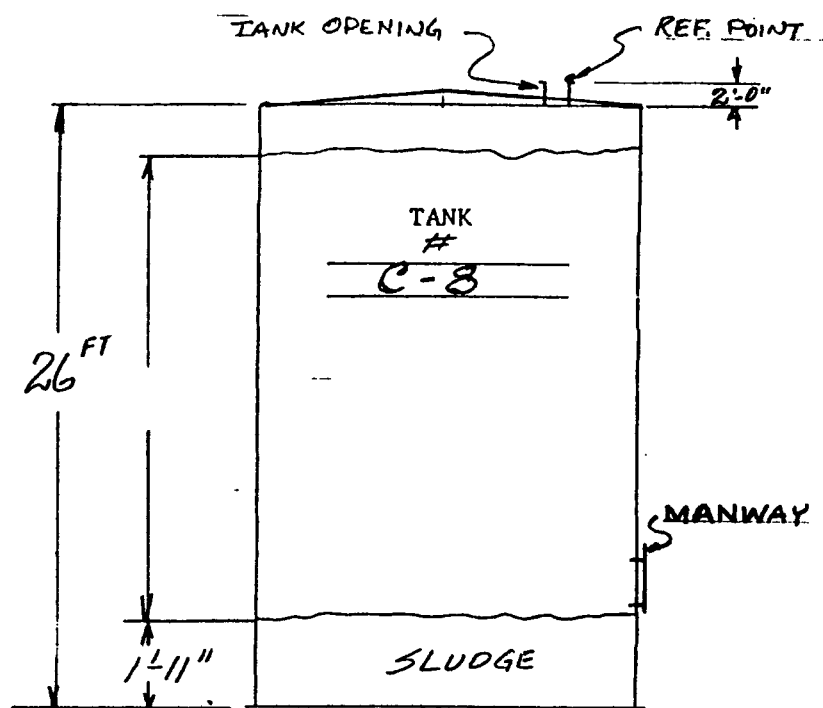
\*Includes oil, water and sludge.

QUANTA - TANK INVENTORY

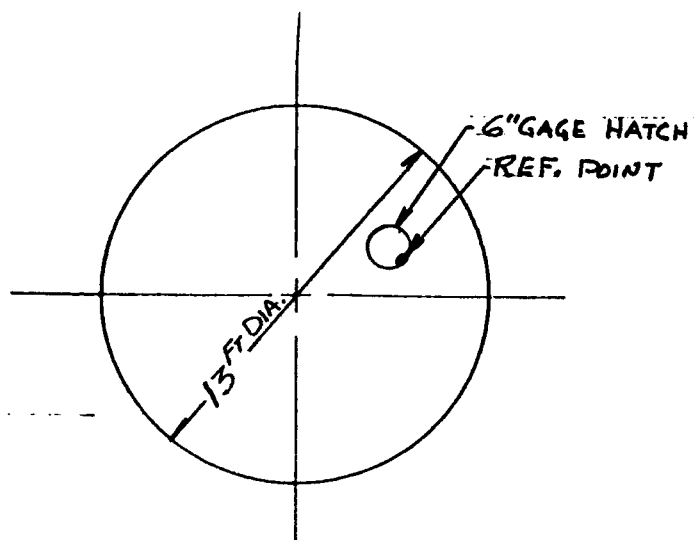
[illegible]

\*Includes oil, water and sludge.

2



### ELEVATION

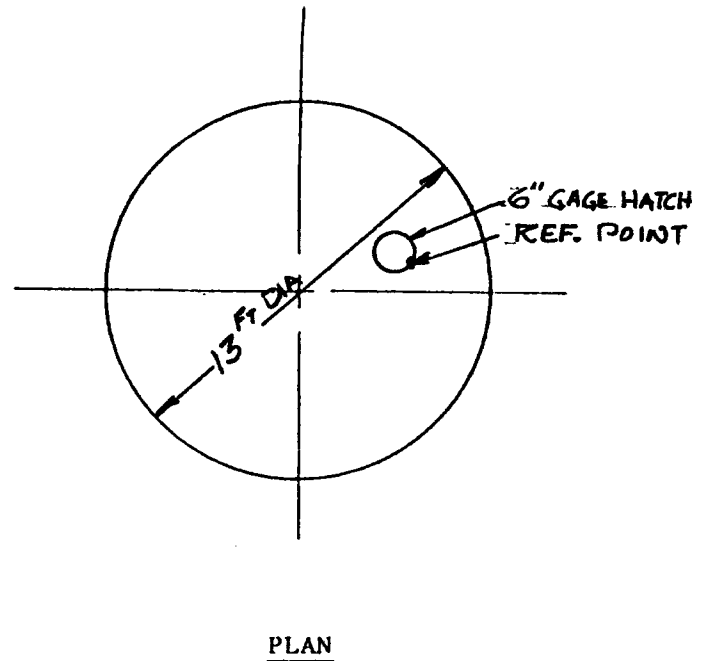
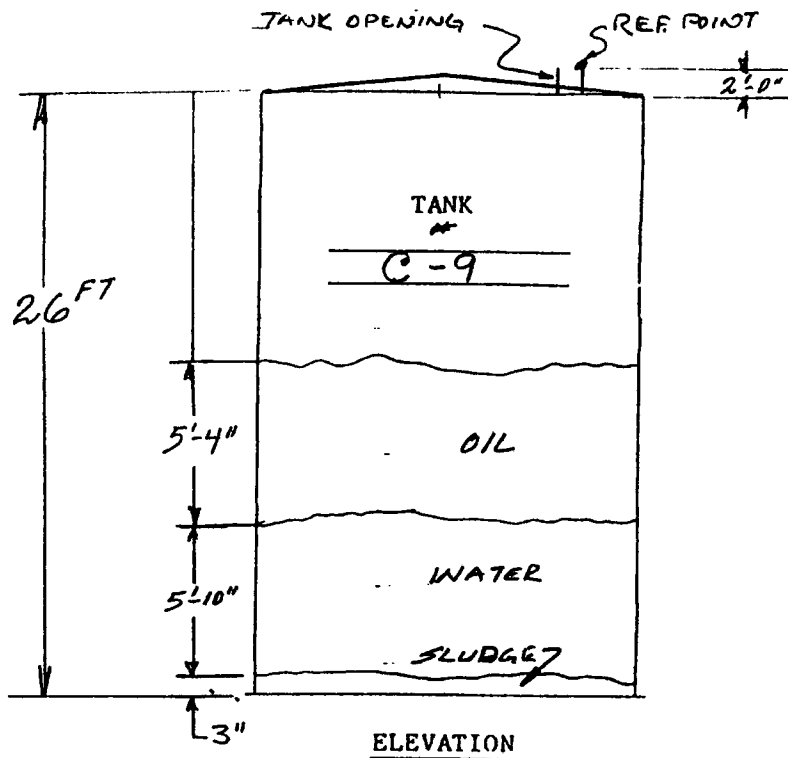


## PLAN

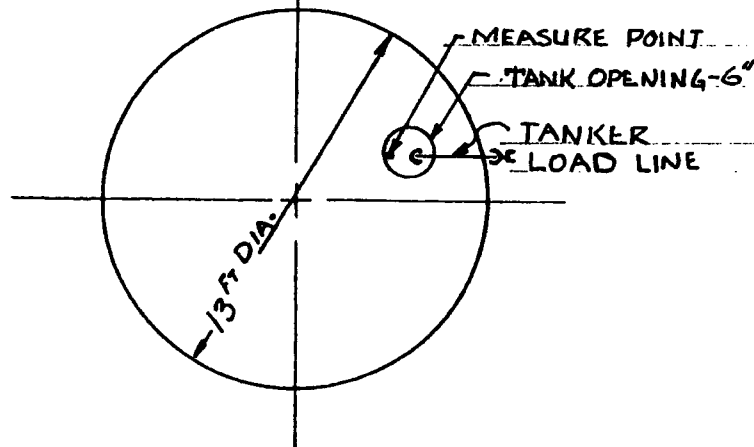
[illegible]

\* Includes all water and sludge.

## 2

[illegible]

## 2

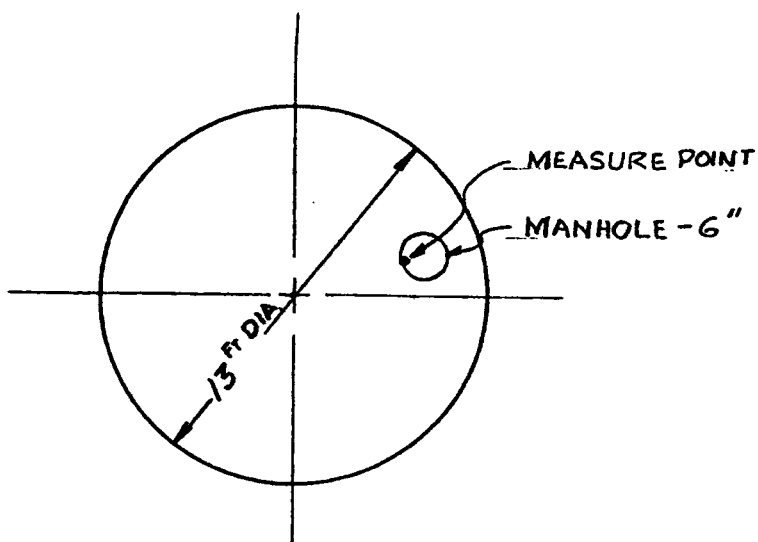


## PLAN

[illegible]

\*Includes oil, water and sludge.

## 27

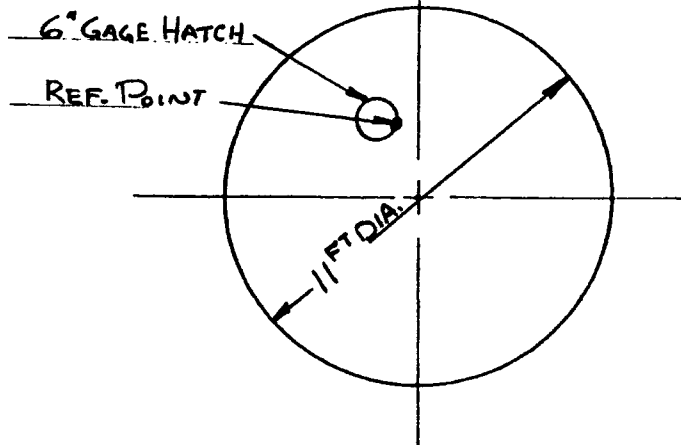


## PLAN

[illegible]

\*Includes oil, water and sludge.

## 2



## PLAN

[illegible]

\*Includes oil water and sledge.

2

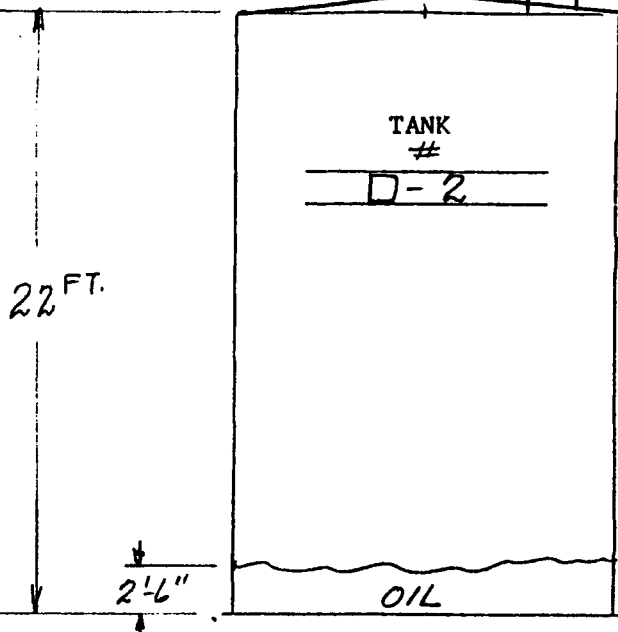


Diagram illustrating a circular hatch with a reference point and a dimension:

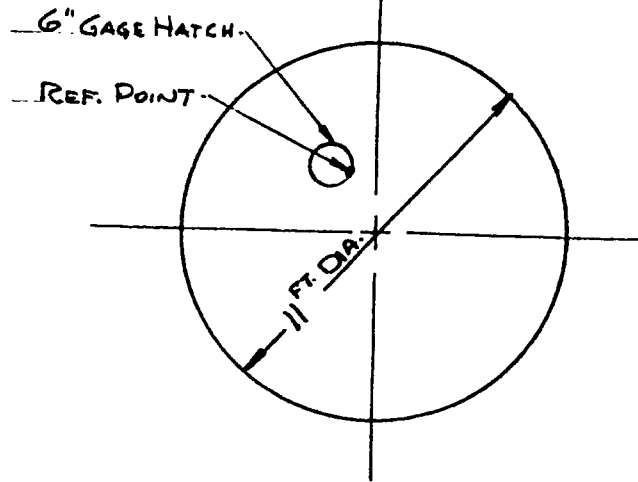
- A large circle represents the hatch.
- A small circle inside the large circle is labeled "6\" GAGE HATCH".
- A point on the small circle is labeled "REF. POINT".
- A dimension line indicates the diameter of the small circle is  $1/8$  IN. DIA.

## PLAN

[illegible]

\*Includes oil, water and sludge.

## 21

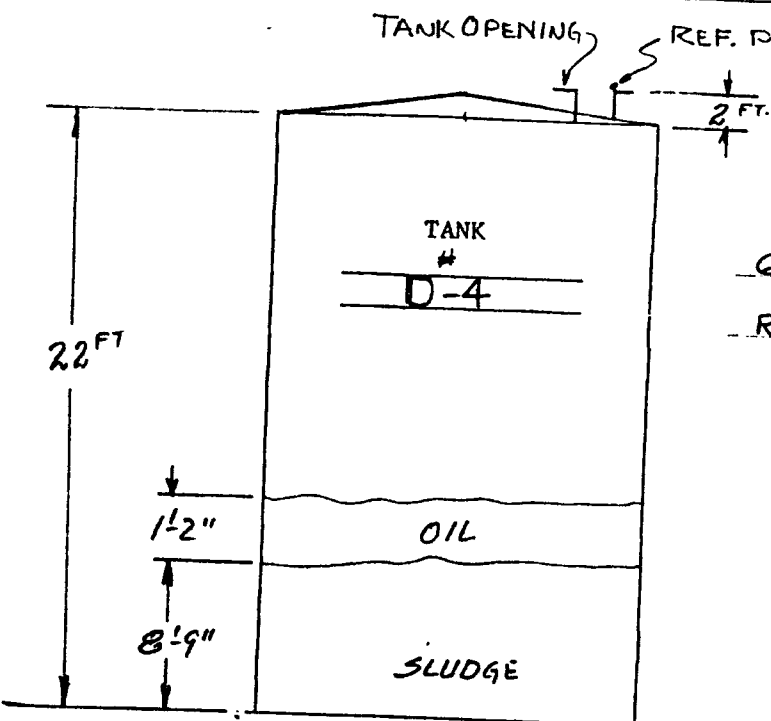


## PLAN

[illegible]

\*Includes oil, water and sludge.

N



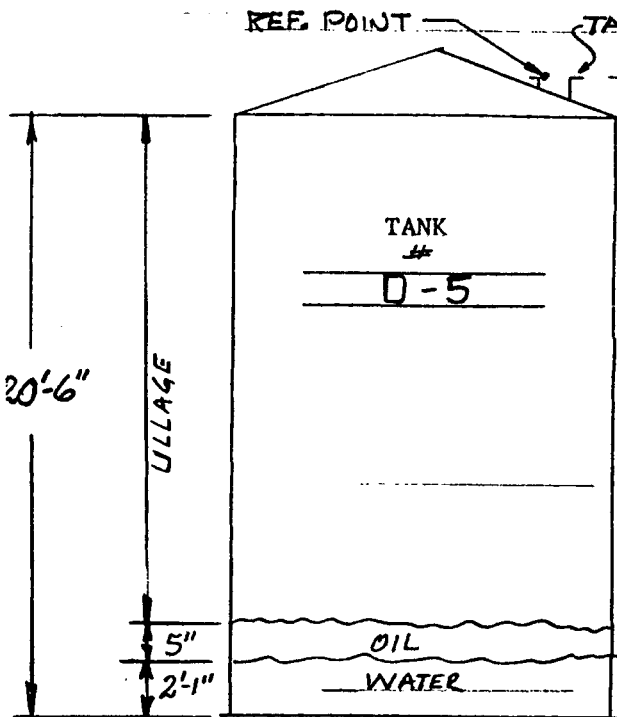
A diagram of a circular hatch pattern. The circle is divided into eight equal sectors by four lines intersecting at the center: a vertical line, a horizontal line, and two diagonal lines at 45 and 135 degrees. One of the sectors is filled with a cross-hatch pattern. A small circle is drawn at the center of this hatched sector. Two labels with arrows point to this small circle: "6" GAGE HATCH" and "REF. POINT". A dimension line, consisting of two parallel lines with arrows at each end, passes through the center of the large circle. It is labeled "11 PT DIA.".

## PLAN

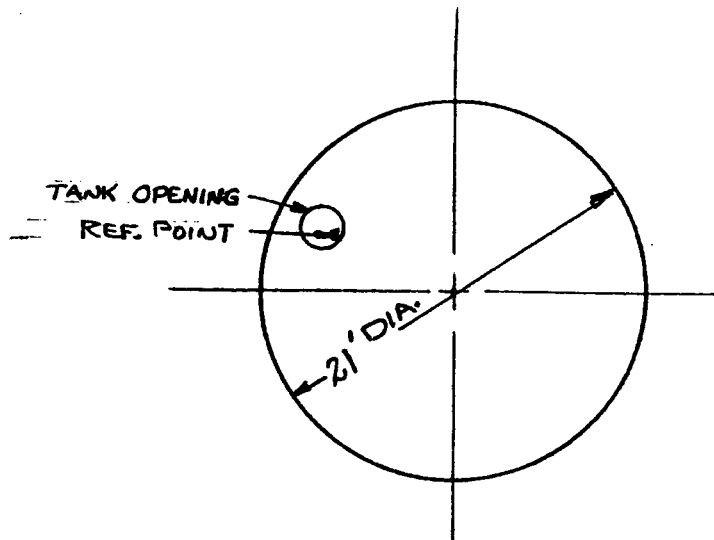
[illegible]

\*Includes oil, water and sludge.

2



### ELEVATION

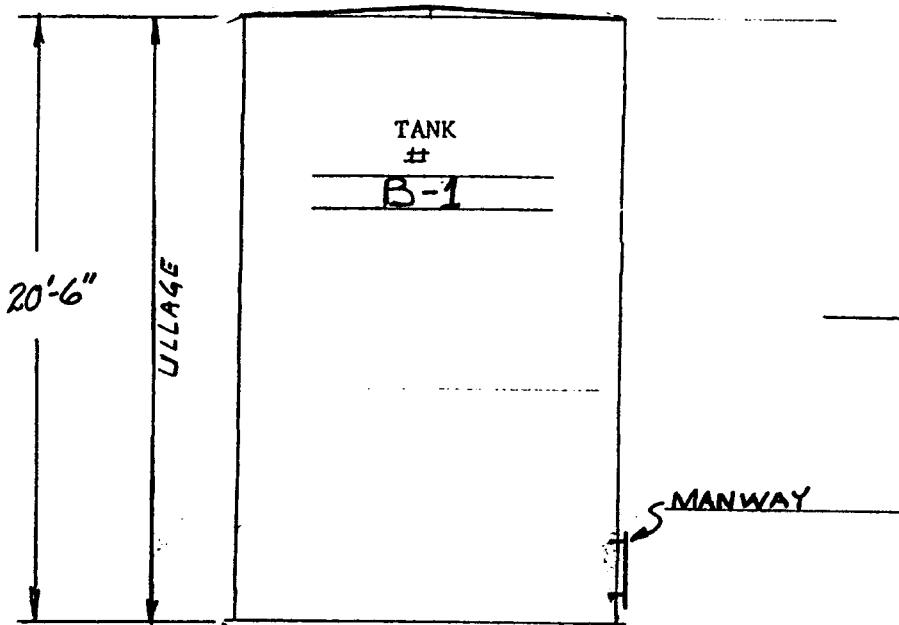


## PLAN

[illegible]

\*Includes oil, water and sludge.

N

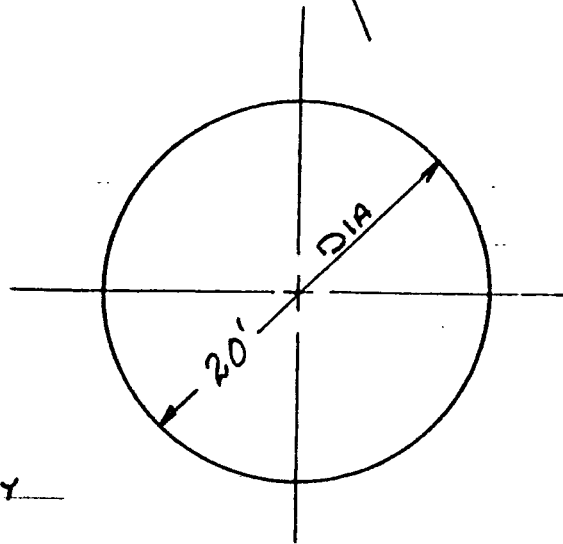


## PLAN

[illegible]

\*Includes oil, water and sludge.

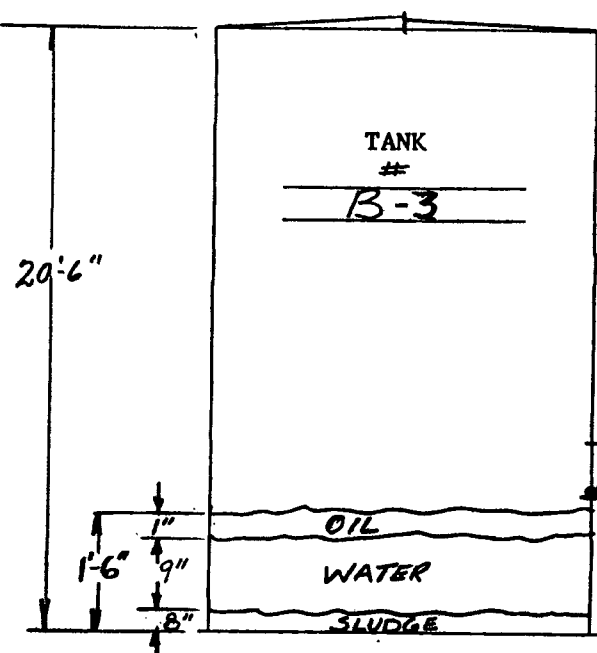
2



### PLAN

[illegible]

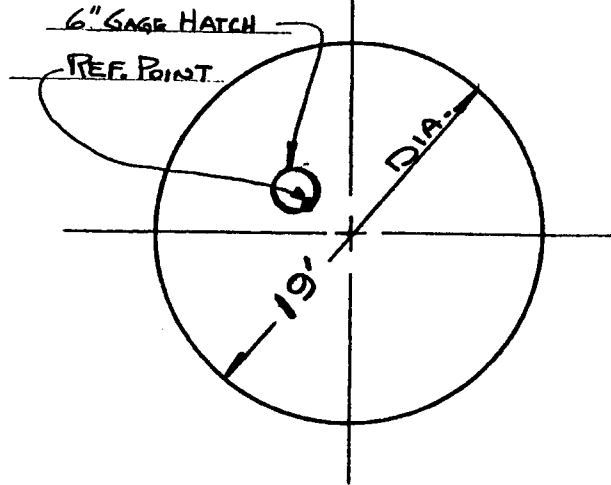
\*Includes oil, water and sludge.



## PLAN

[illegible]

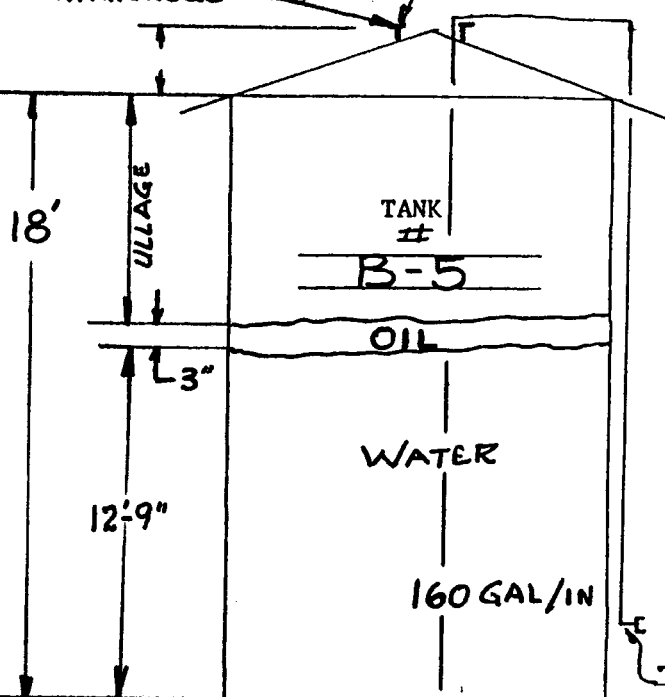
\*Includes oil, water and sludge.



## PLAN

\*Includes oil, water and sludge.

## MEASURING POINT MANHOLE —



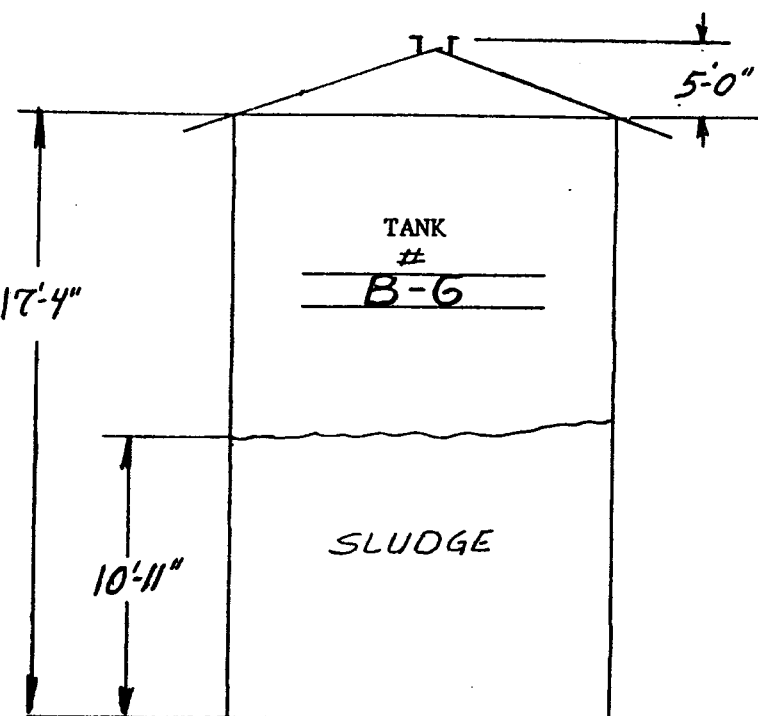
A diagram of a circular roof plan. A large circle represents the roof. A smaller circle is centered within it, representing the roof opening. A vertical line and a horizontal line intersect at the center of the circles. A line segment with arrows at both ends is drawn from the center of the large circle to the circumference, labeled "18'". Another line segment with arrows at both ends is drawn from the center of the large circle to the circumference, labeled "DIA.". Two lines extend from the right side of the diagram towards the roof opening, labeled "MEASURE POINT" and "ROOF OPENING". A north arrow is located at the top of the diagram, pointing upwards and slightly to the right, labeled "N".

## PLAN

[illegible]

\*Includes oil, water and sludge.

2

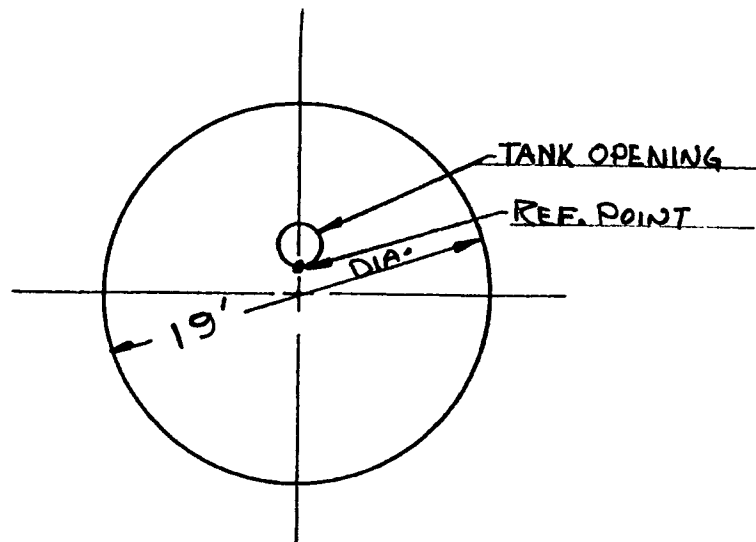


## PLAN

[illegible]

\*Includes oil, water and sludge.

N

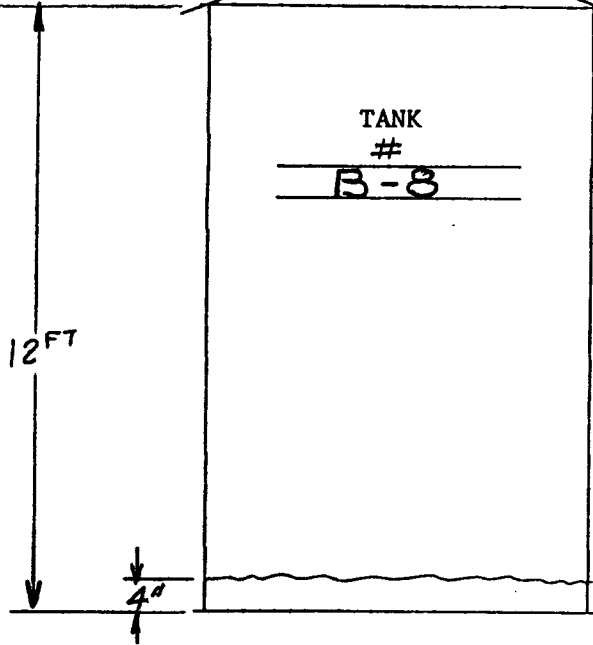


## PLAN

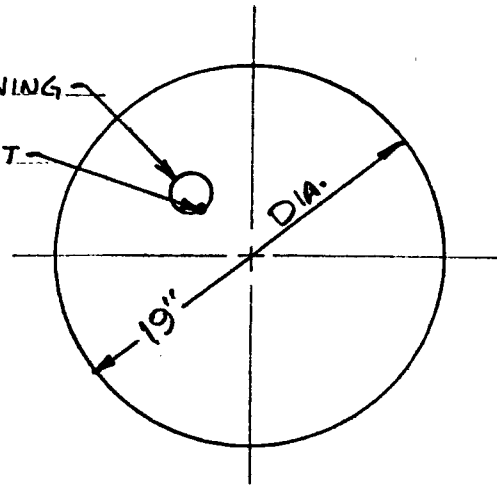
[illegible]

\*Includes oil, water and sludge.

N



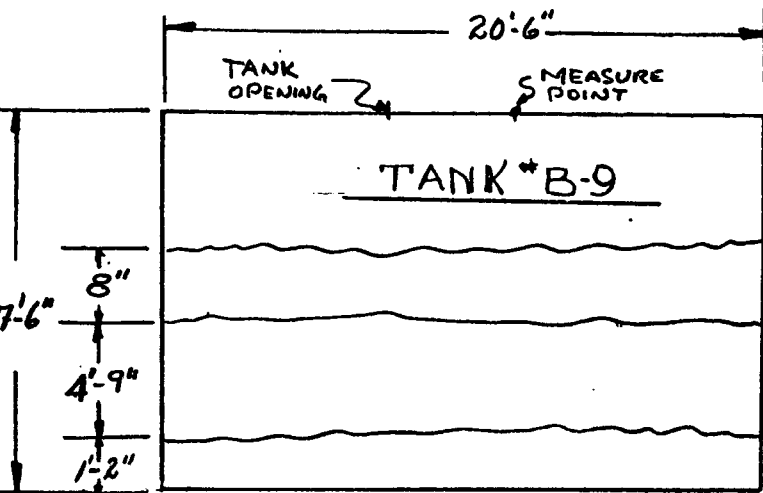
REF. POINT



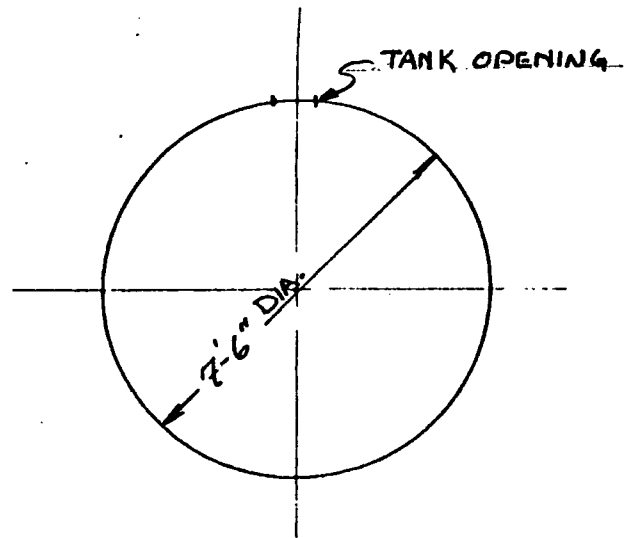
## PLAN

[illegible]

QUANTA - TANK INVENTORY



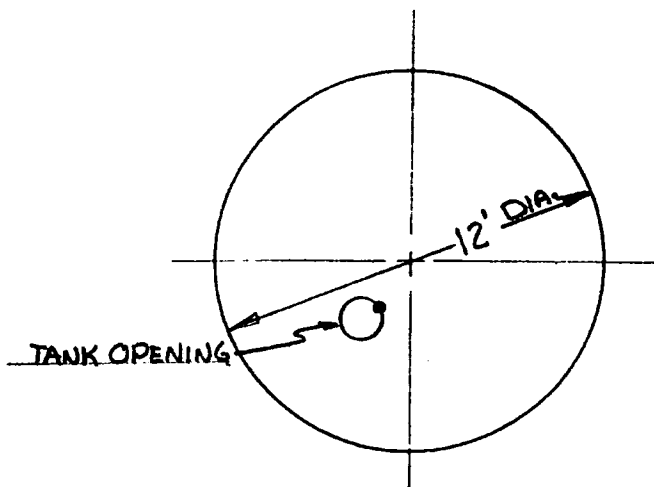
**SIDE ELEVATION**



FRONT VIEW

[illegible]

\*Includes oil, water and sludge.

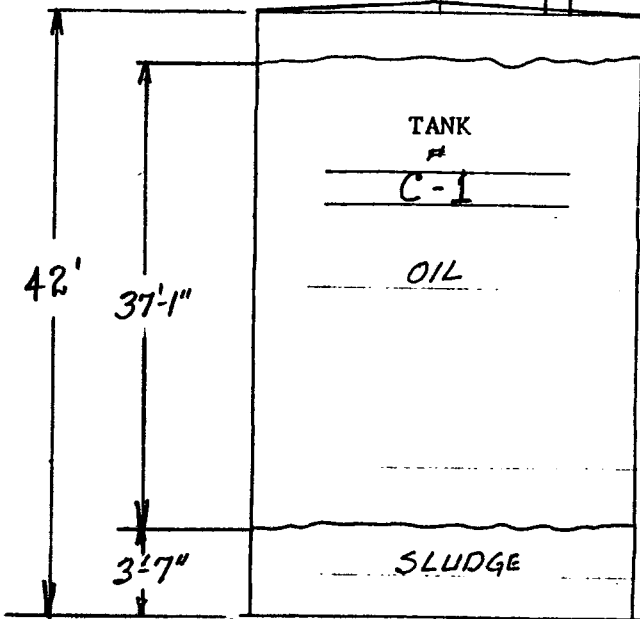


## PLAN

[illegible]



A hand-drawn sketch showing a cross-section of a tank. A horizontal line represents the top surface. A vertical line segment of length 10" is drawn from the top surface down to a horizontal line. The top surface is labeled "TANK OPENING" with an arrow pointing to it. The vertical line segment is labeled "REF. POINT" with an arrow pointing to it.



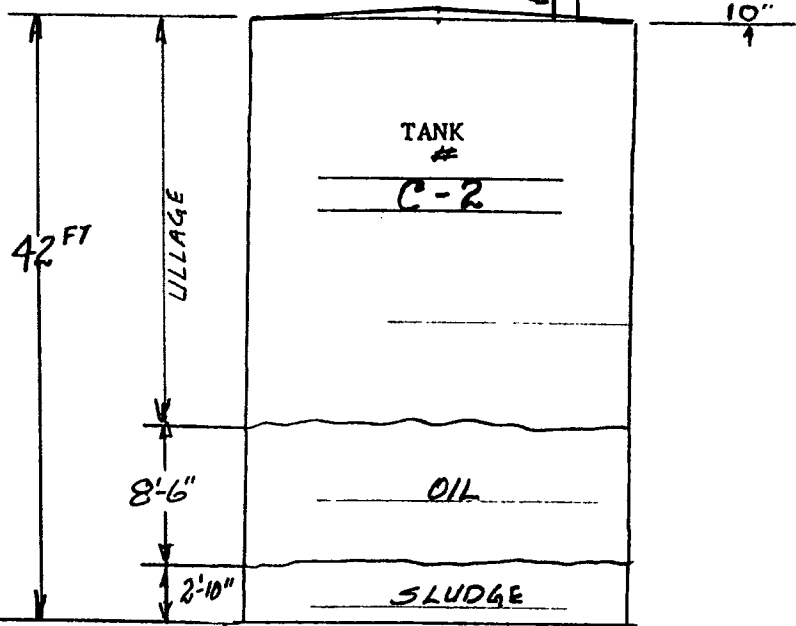
A hand-drawn diagram of a circular structure, likely a well or a large pipe. A vertical line passes through the center of the circle, and a horizontal line also passes through the center, forming a cross. A north arrow is drawn above the circle, pointing towards the top right. A diagonal line with arrows at both ends passes through the center, labeled "21 FT DIA". At the bottom of the circle, on the vertical line, there is a small rectangle representing a manhole. An arrow points from the word "MANHOLE" to this rectangle.

## PLAN

[illegible]

\*Includes oil, water and sludge.

2



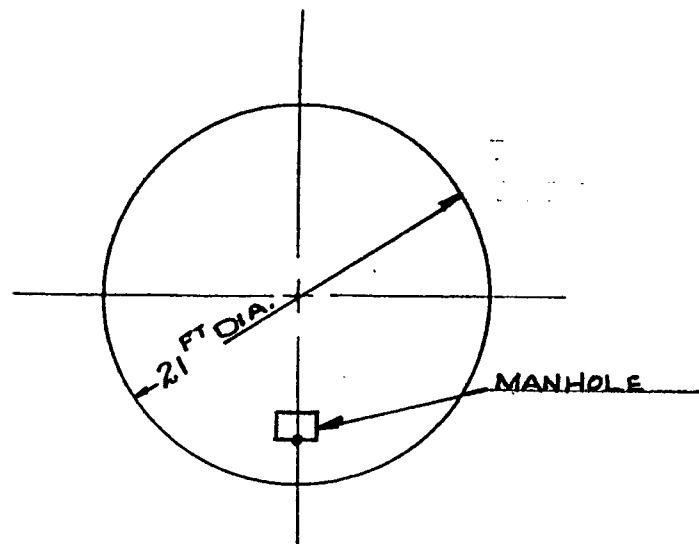
A hand-drawn diagram of a circular manhole. A vertical line and a horizontal line intersect at the center of the circle. A diagonal line with arrows at both ends is labeled "21 FT DIA". At the bottom center of the circle, there is a small square representing a manhole cover. An arrow points from the word "MANHOLE" to this square.

## PLAN

[illegible]

\*Includes oil, water and sludge.

## 2

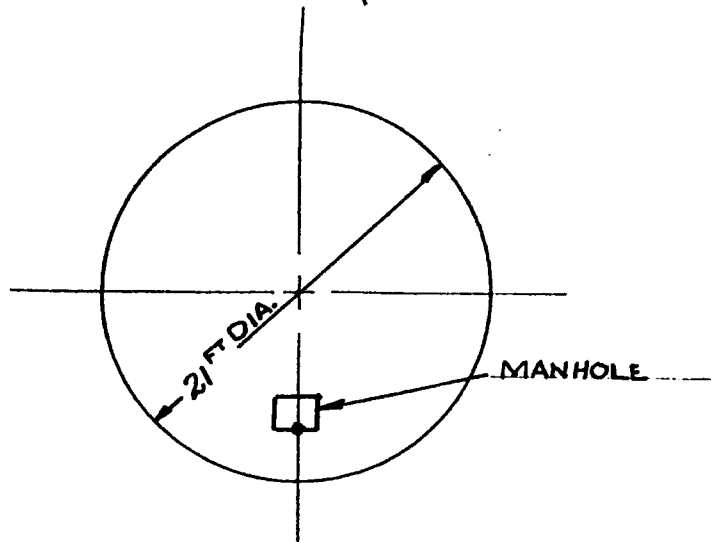


## PLAN

[illegible]

\*Includes oil, water and sludge.

2

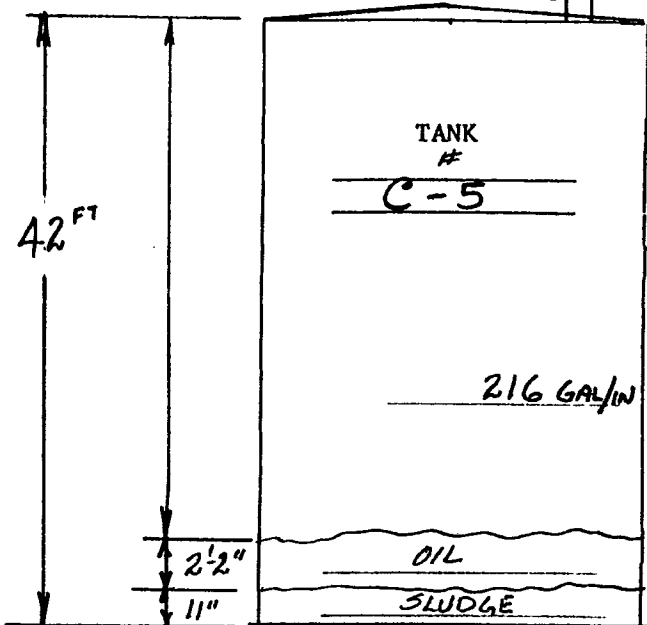


## PLAN

[illegible]

\*Includes oil, water and sludge.

TANK OPENING → CRACK POINT

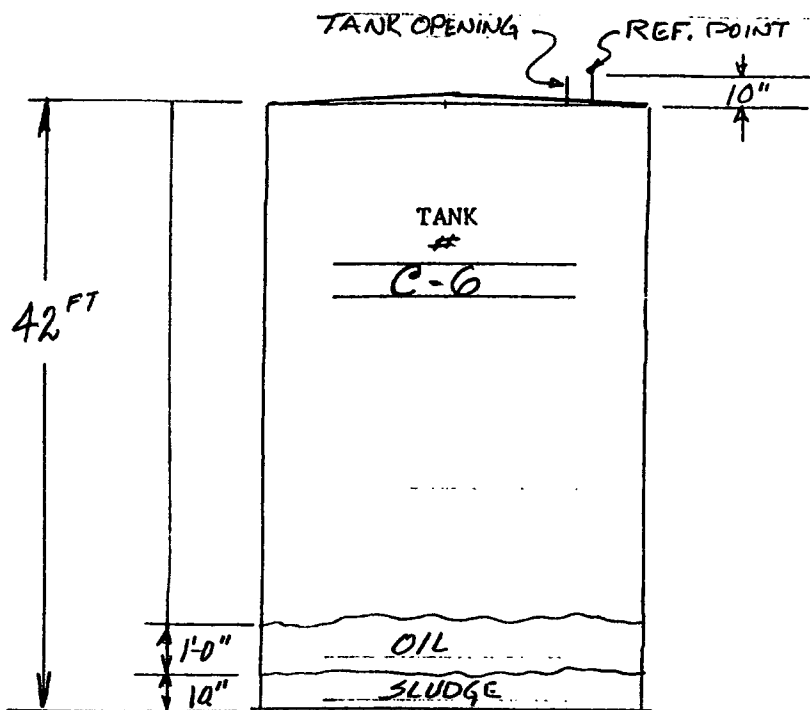


## PLAN

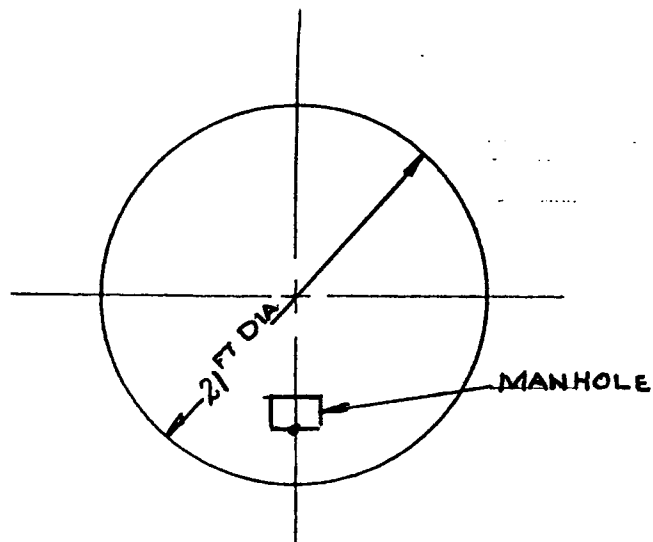
[illegible]

\*Includes oil, water and sludge.

2



### ELEVATION

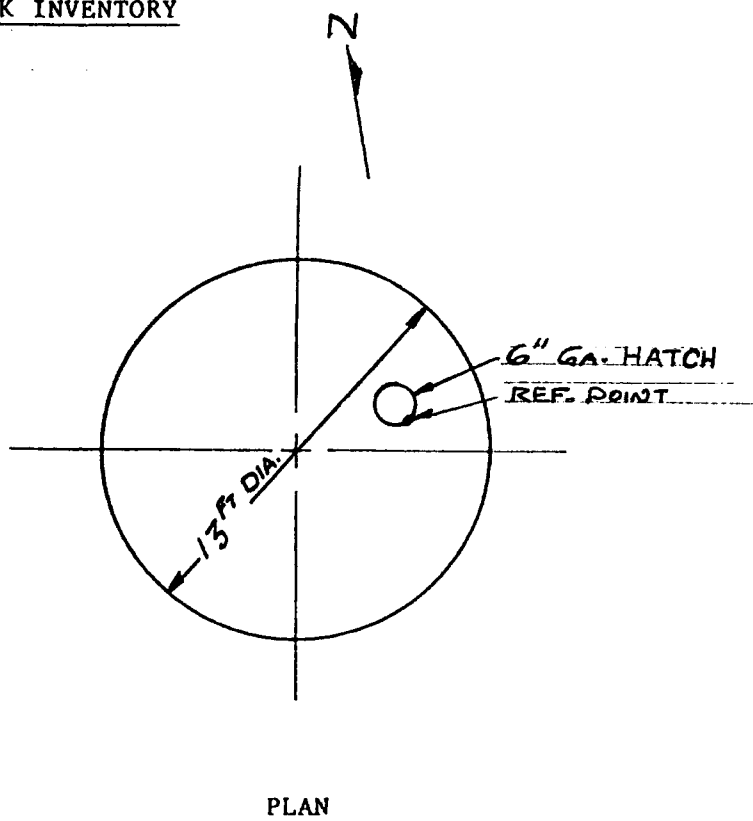


## PLAN

[illegible]

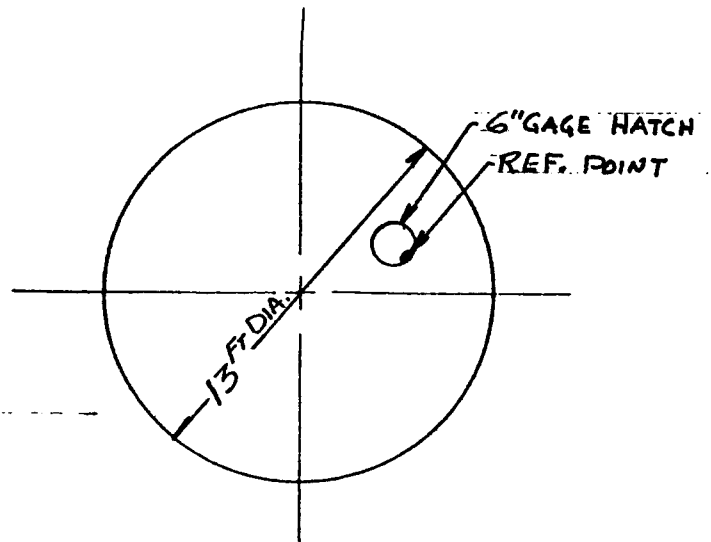
\*Includes oil, water and sludge.

QUANTA - TANK INVENTORY

[illegible]

\*Includes oil, water and sludge.

2

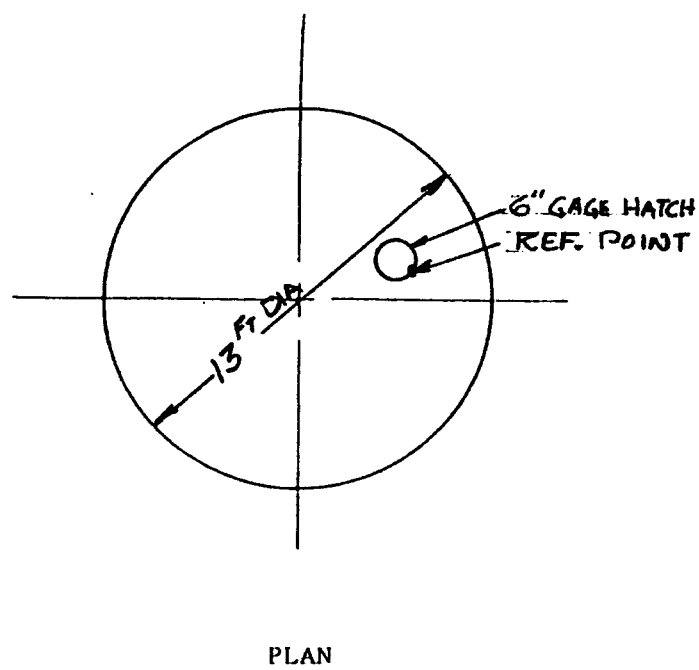
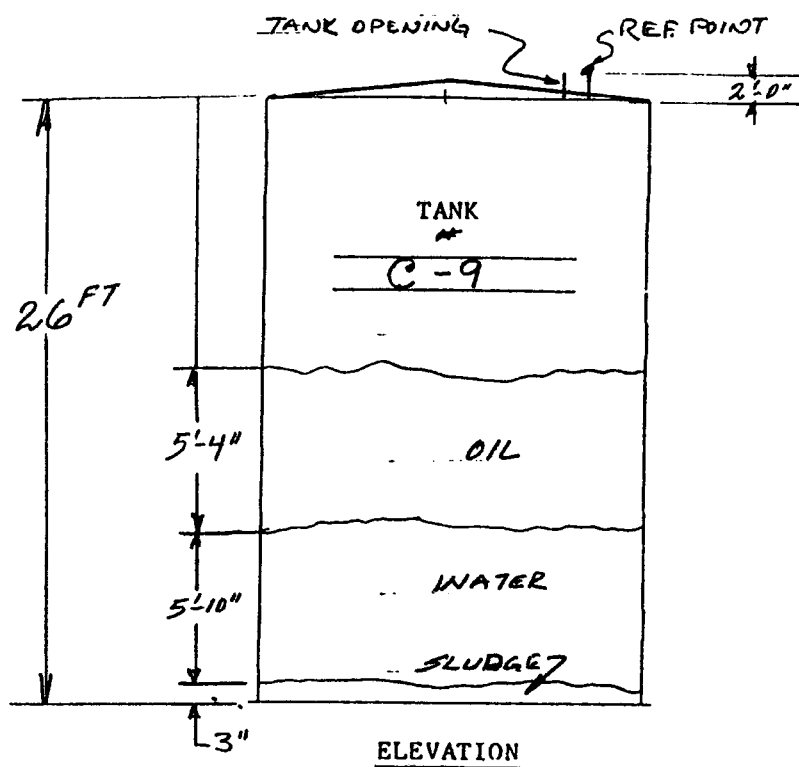


### PLAN

[illegible]

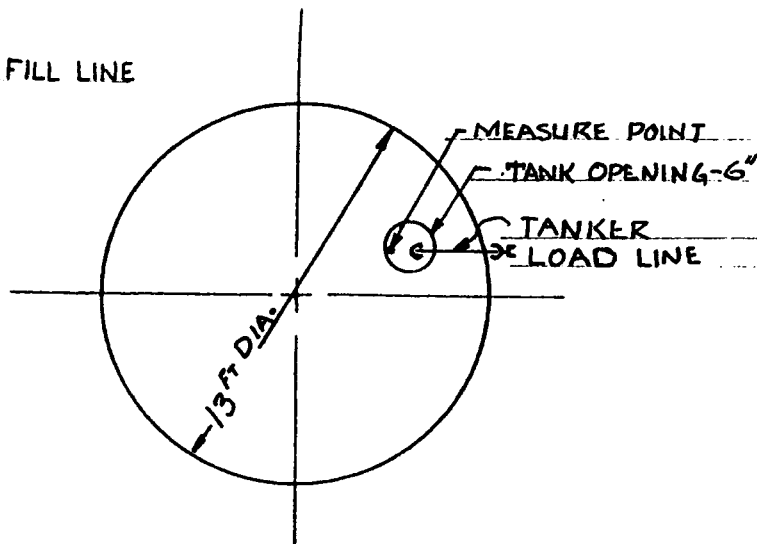
\*Includes oil, water and sludge.

2

[illegible]

\*Includes oil, water and sludge.

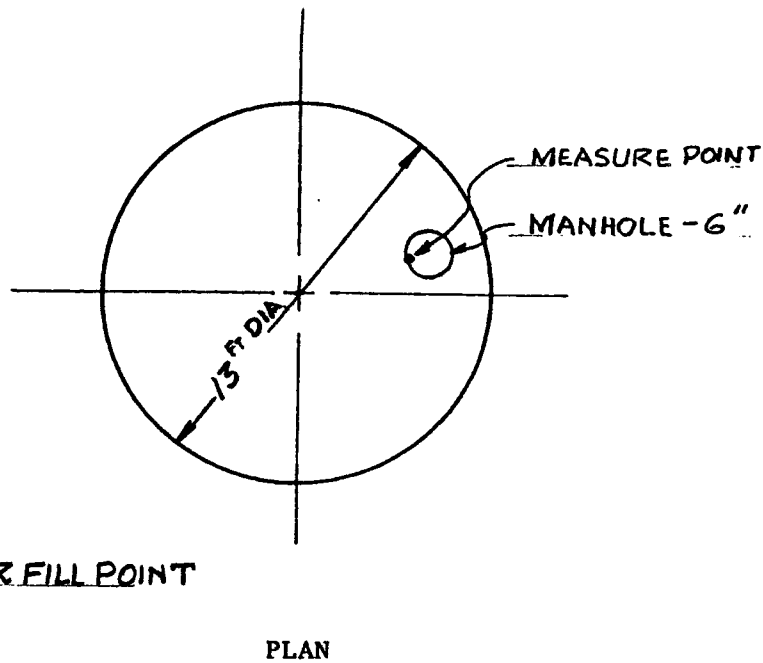
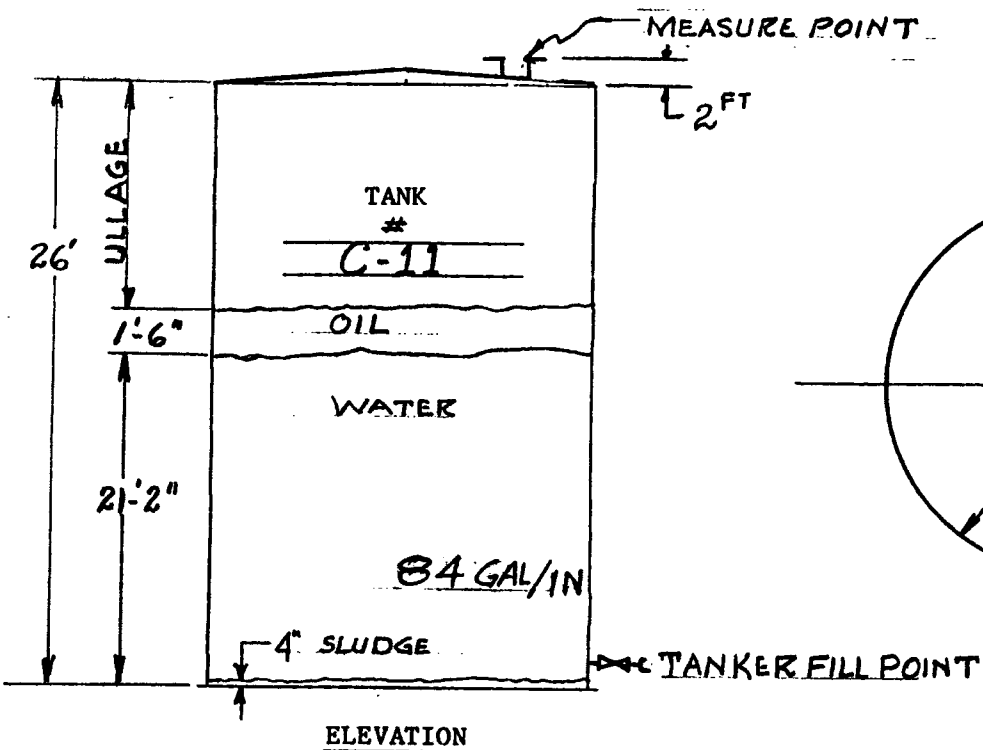
2



## PLAN

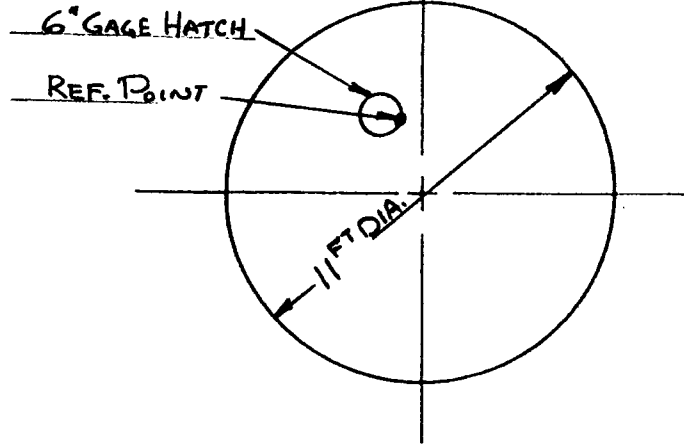
\*Includes oil, water and sludge.

27

[illegible]

\*Includes oil, water and sludge.

2

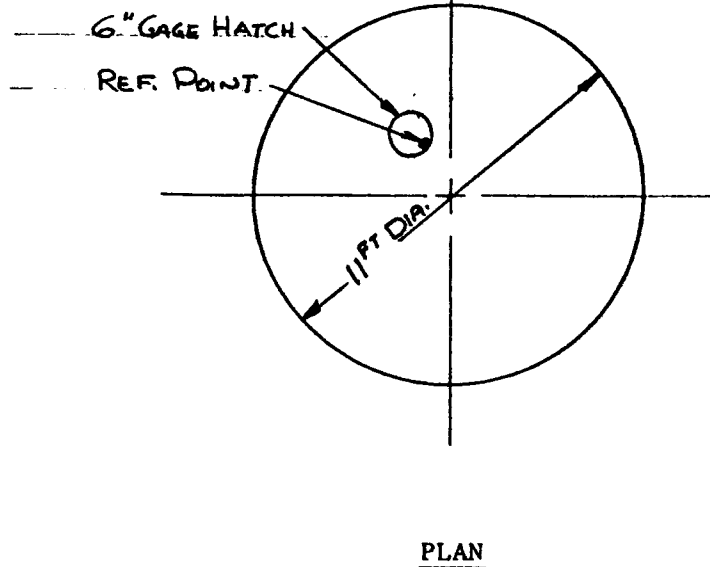
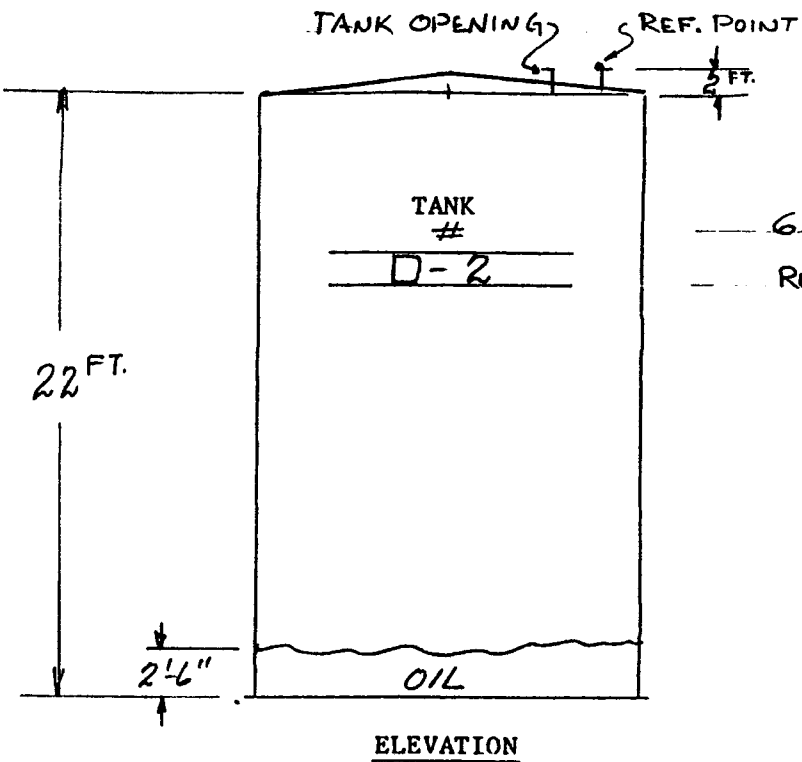


## PLAN

[illegible]

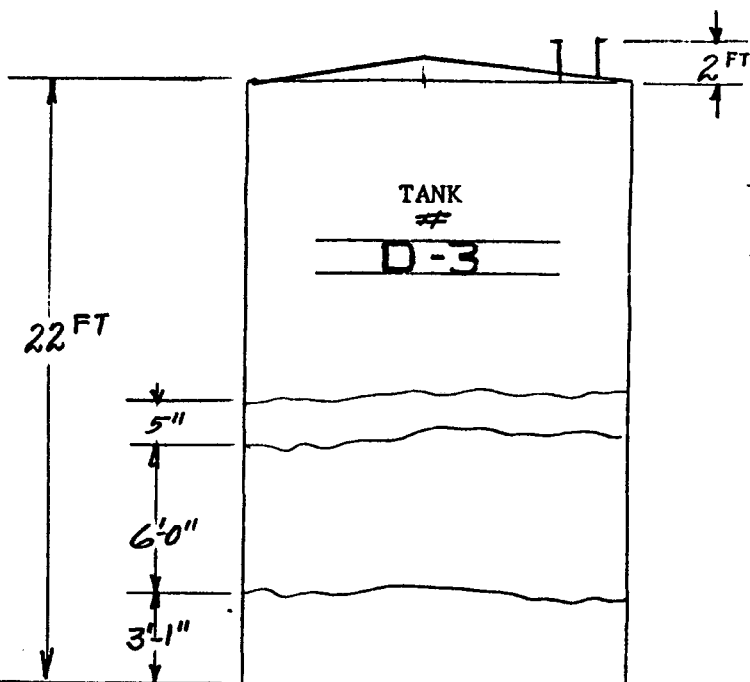
\*Includes oil, water and sludge.

2

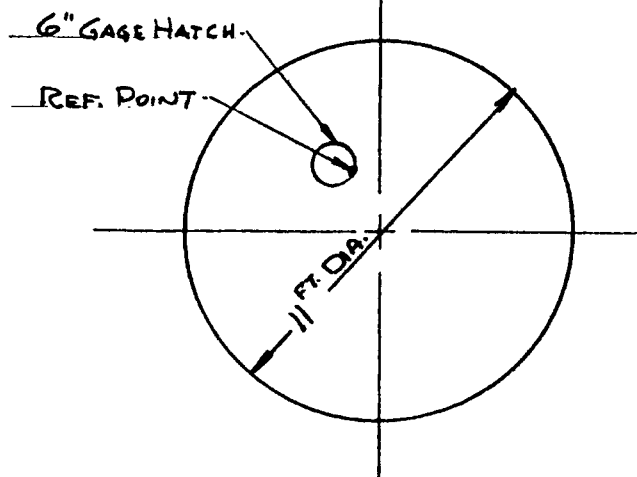
[illegible]

\*Includes oil, water and sludge.

## 21



### ELEVATION

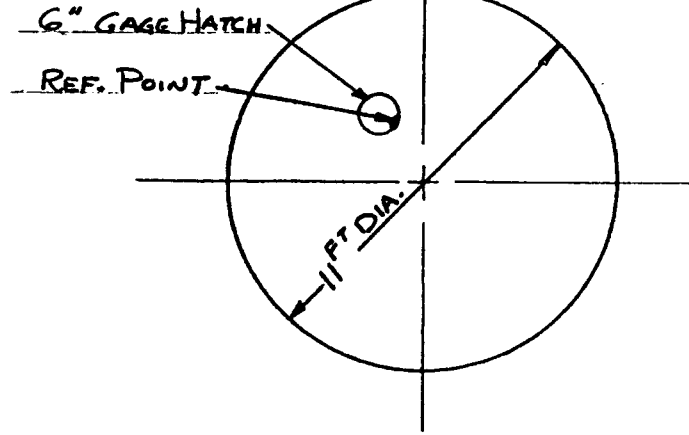


## PLAN

[illegible]

\*Includes oil, water and sludge.

N

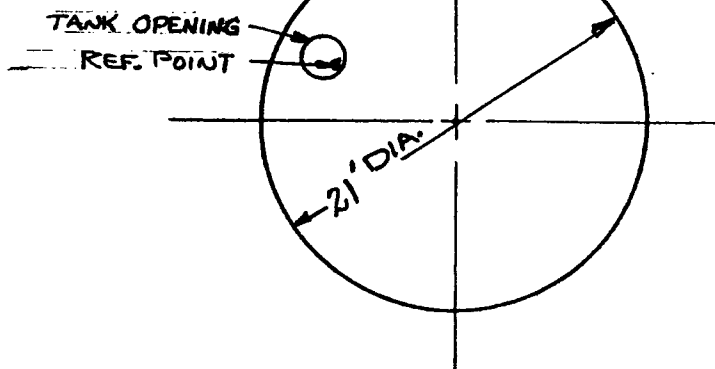


## PLAN

[illegible]

\*Includes oil, water and sludge.

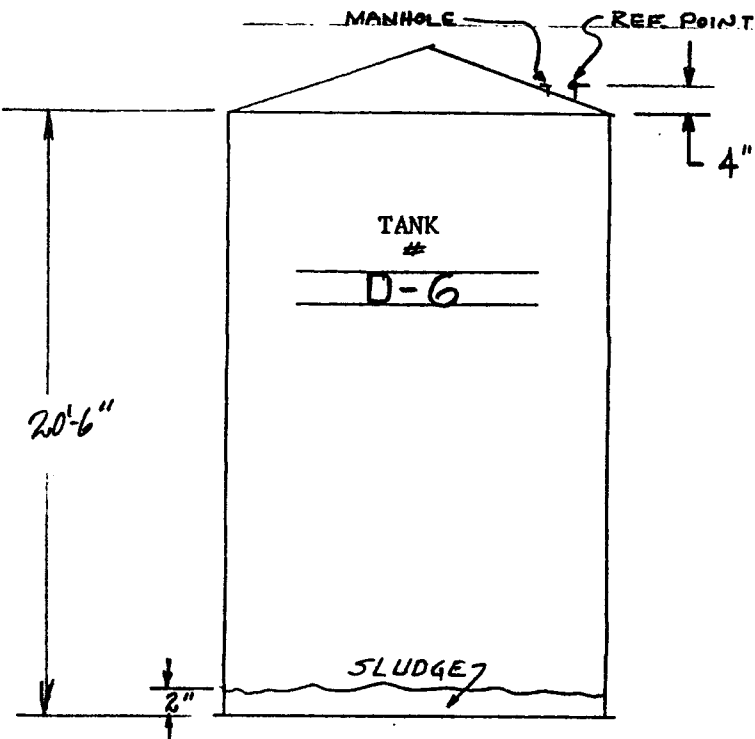
2



## PLAN

\*Includes oil, water and sludge.

2



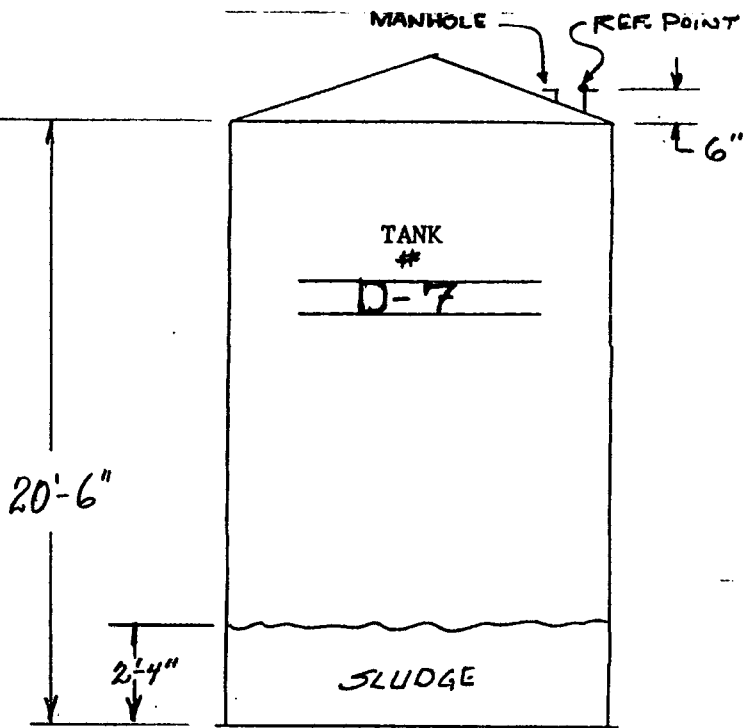
A hand-drawn diagram of a circular manhole. A circle is centered on a vertical line. A horizontal line passes through the center of the circle. A diagonal line segment with arrows at both ends is drawn from the center to the upper right edge of the circle, labeled "DIA.". Another diagonal line segment with arrows at both ends is drawn from the center to the lower left edge of the circle, labeled "2'". To the right of the circle, there is a small square with a circle inside it, representing a manhole. A line points from the label "MANHOLE" to this symbol. Another line points from the label "REF. POINT" to the bottom right corner of the square.

## PLAN

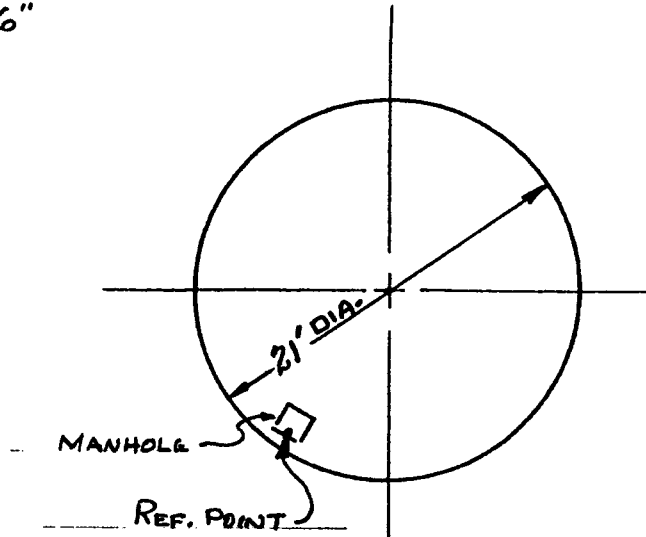
[illegible]

\*Includes oil, water and sludge.

2



### ELEVATION

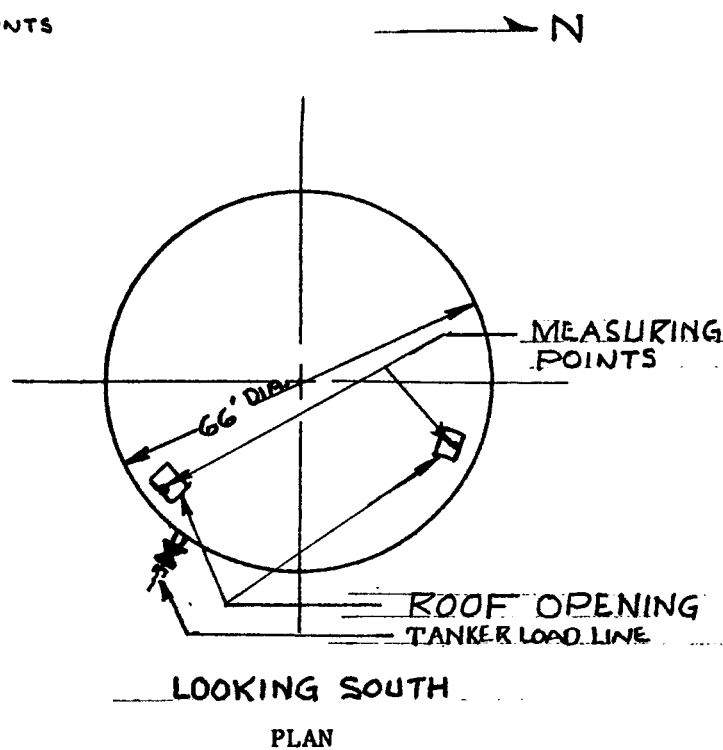
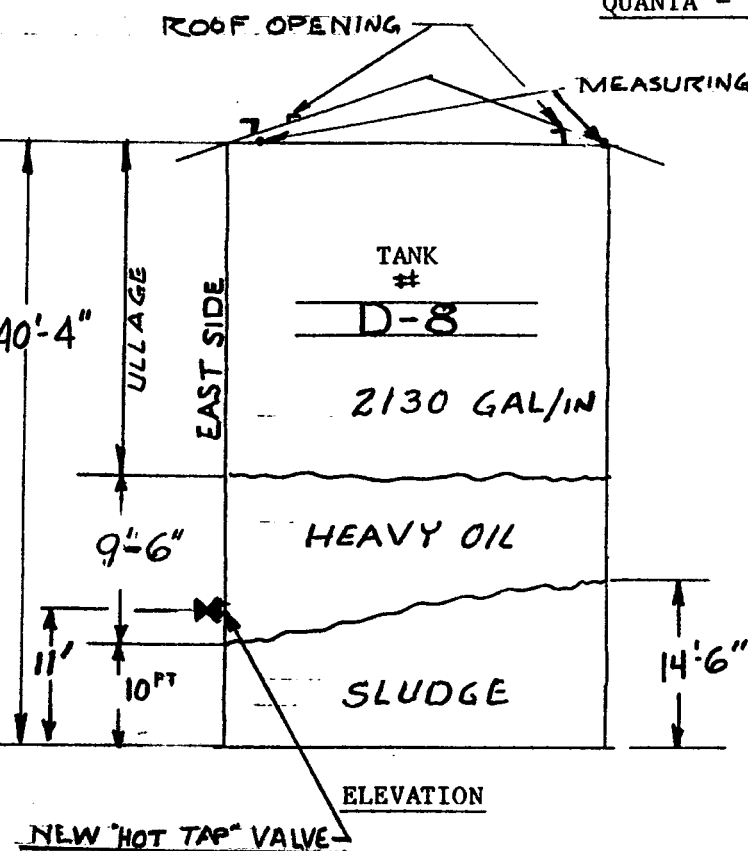


## PLAN

[illegible]

\*Includes oil, water and sludge.

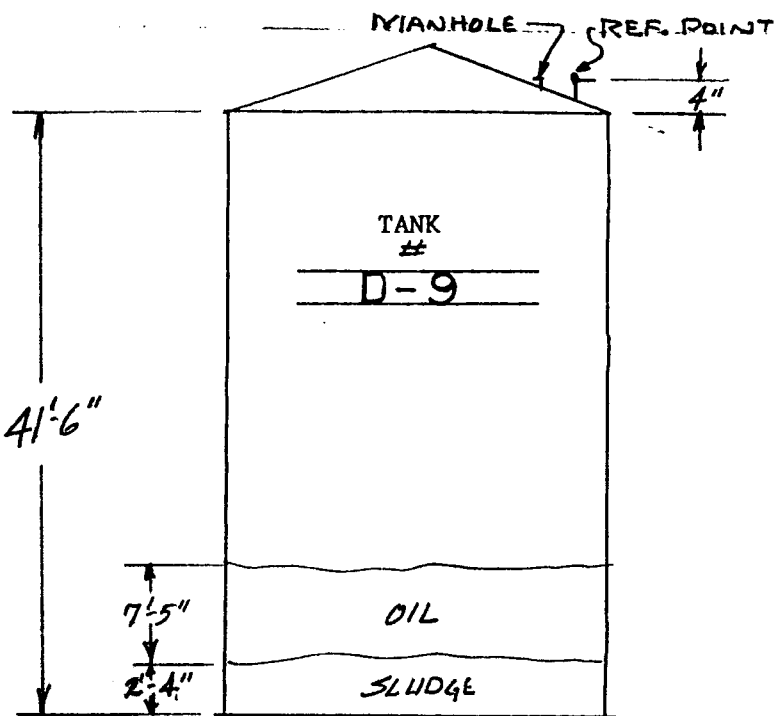
QUANTA - TANK INVENTORY

[illegible]

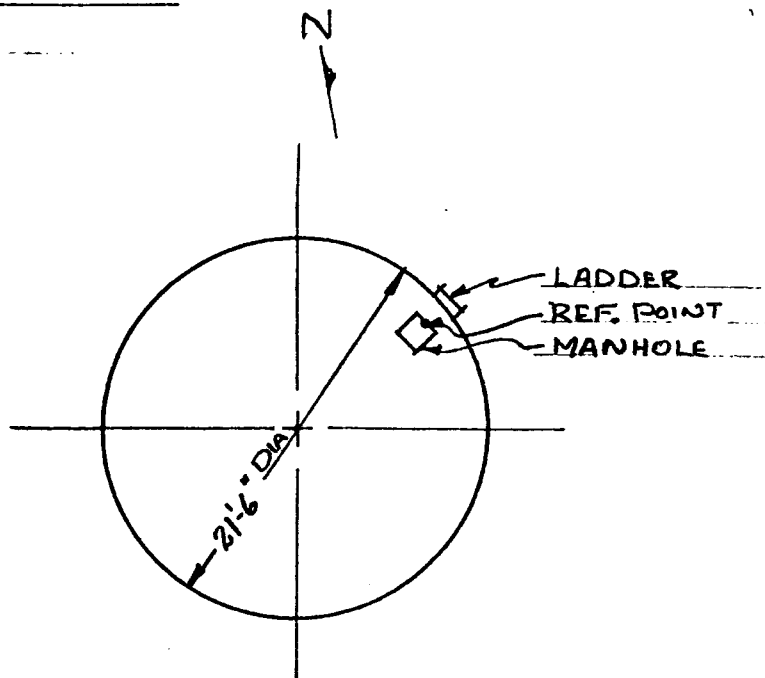
\*Includes oil, water and sludge.

\* MEASURED WEST SIDE

## QUANTA - TANK INVENTORY



### ELEVATION



## PLAN

[illegible]

\*Includes oil, water and sludge.

## 27



66' DIA

NEW HOT TAP VALVES

KER FILL 100

LOOKING SOUTH

## PLAN

\* FROM DIP TUBE LINE  
\*\* FROM HOT TAP VALVE  
+ ADJUSTED FROM ULLAGE

\*Includes oil, water and sludge.

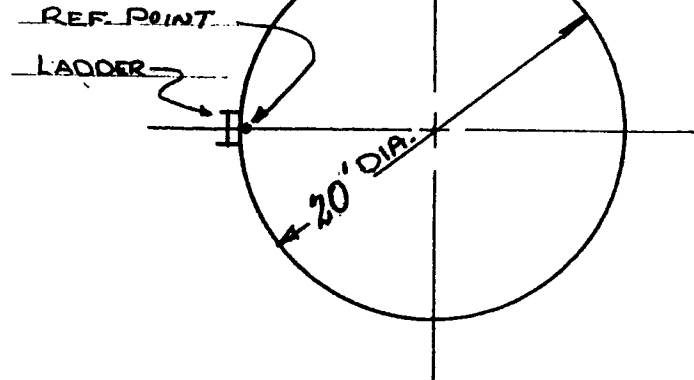
## 24



**\*\* FROM NEW HOT TAP VALVE**

\*Includes oil, water and sludge.

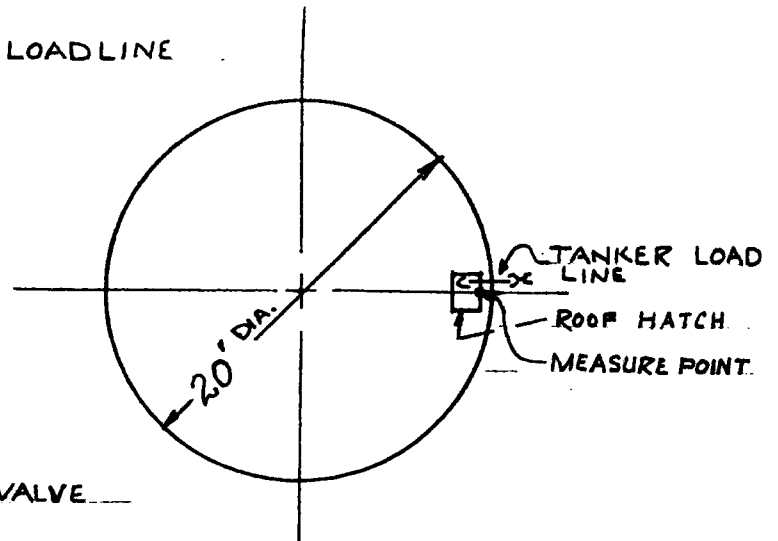
2



## PLAN

\*Includes oil, water and sludge.

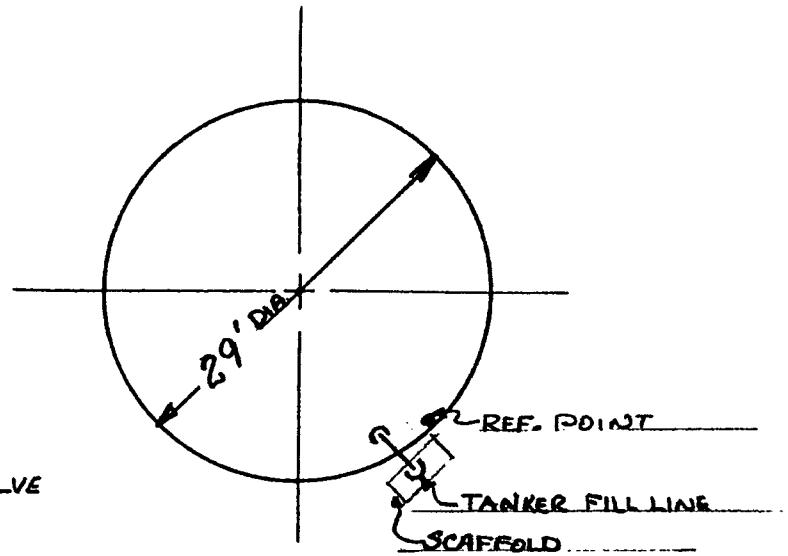
## 27



## PLAN

\*Includes oil, water and sludge.

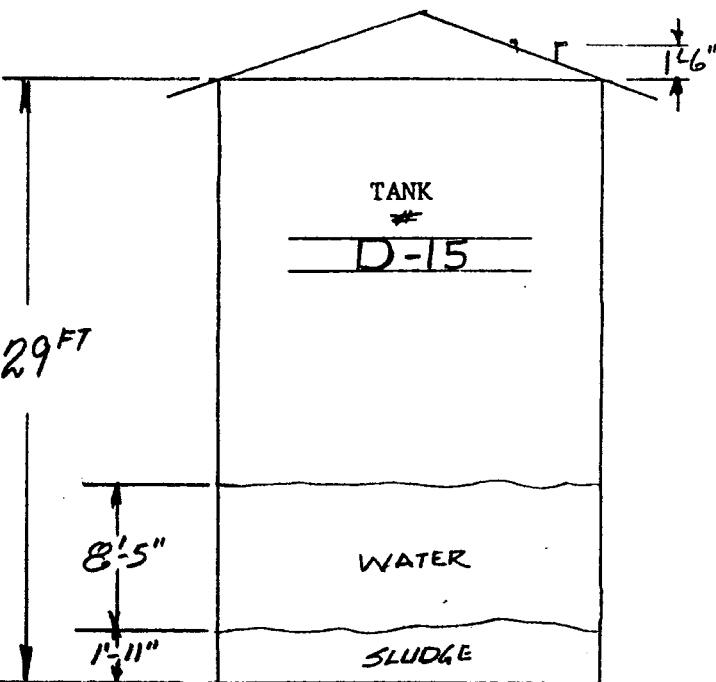
## N



## PLAN

\*Includes oil, water and sludge.

N



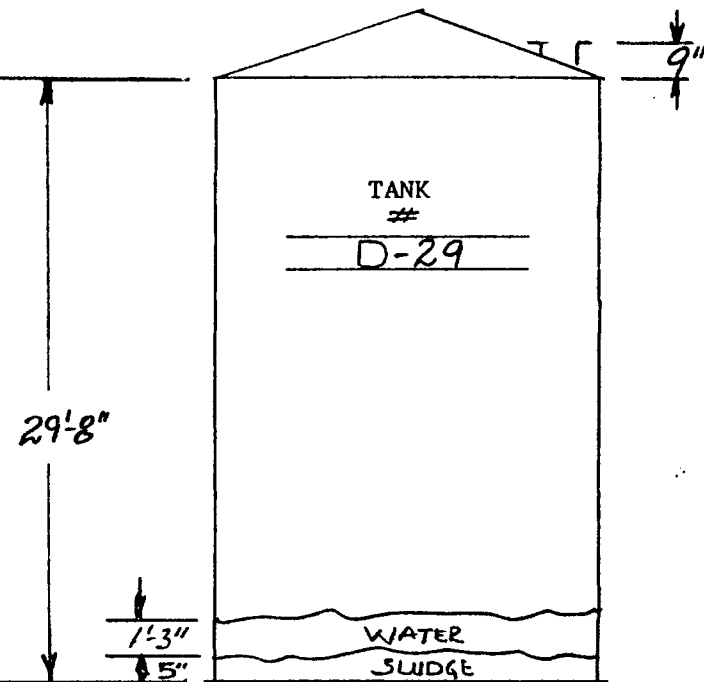
A hand-drawn diagram of a circular manhole. A vertical line and a horizontal line intersect at the center of the circle. A diagonal line with an arrow at its end extends from the center towards the upper right. A label "MANHOLE REF. POINT." with a line pointing to the top of the circle is located above the circle. A label "LADDER" with a line pointing to a small rectangle inside the circle is located to the left of the circle. A label "29' DIA." is written along the diagonal line, indicating the diameter of the manhole.

## PLAN

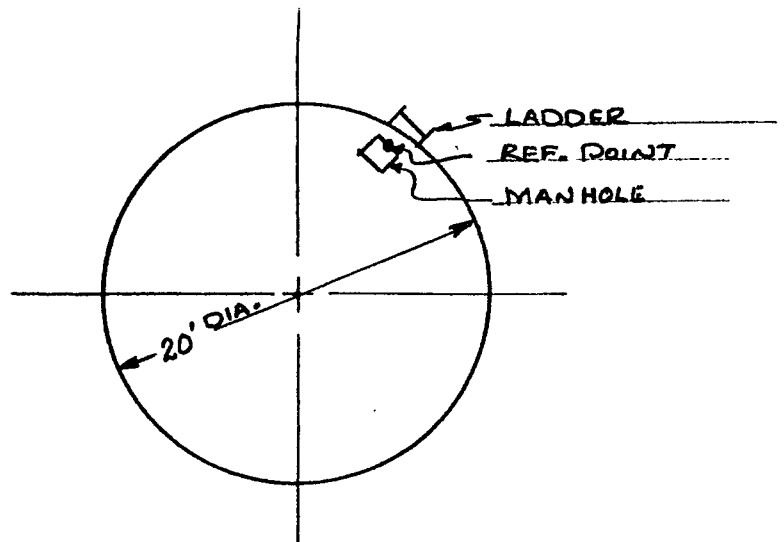
[illegible]

\*Includes oil, water and sludge.

## 2



### ELEVATION

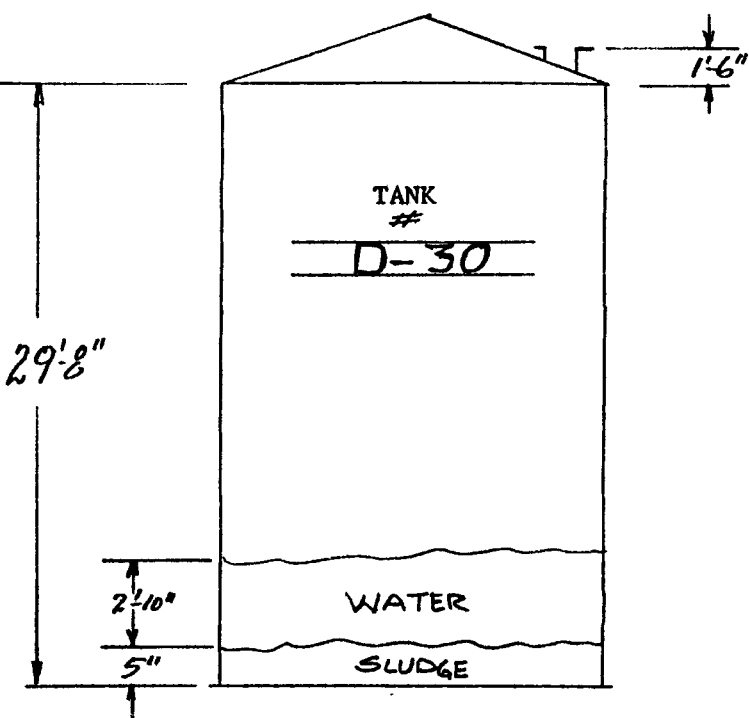


## PLAN

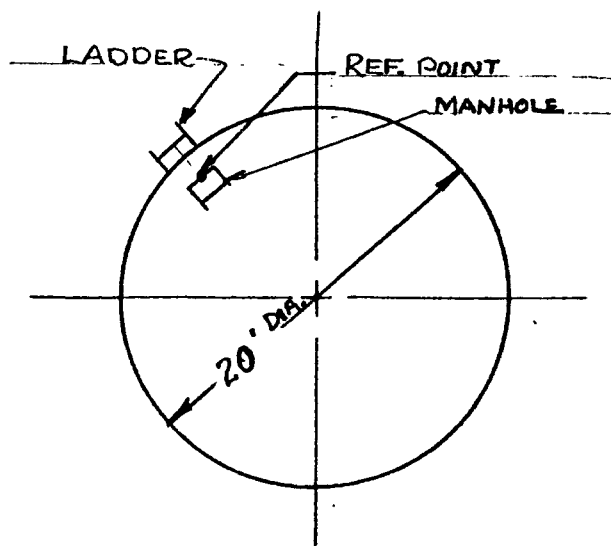
[illegible]

\*Includes oil, water and sludge.

2



### ELEVATION

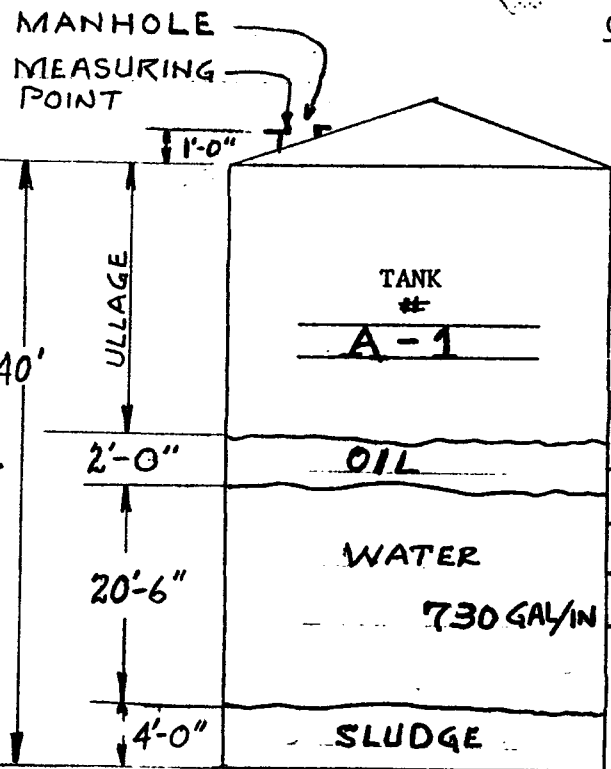


## PLAN

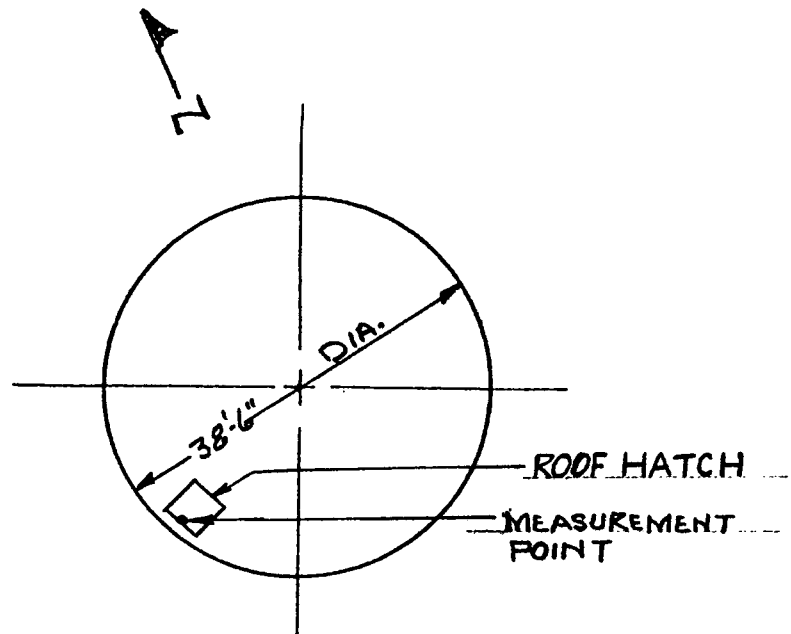
[illegible]

\*Includes oil, water and sludge.

QUANTA - TANK INVENTORY



### ELEVATION



## PLAN

[illegible]

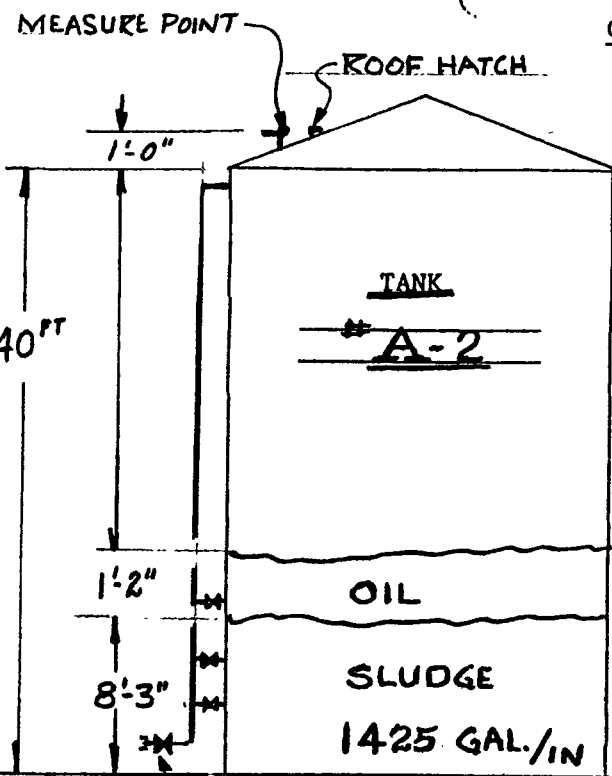
\*Includes oil, water and sludge.

\*\* TRANSFERRED TO A-2

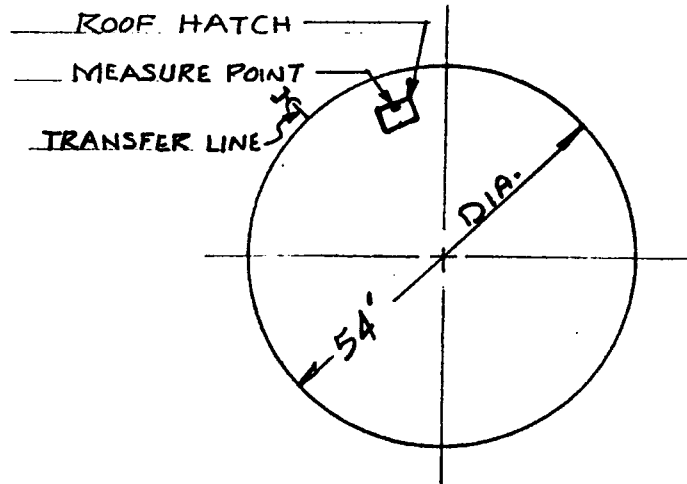
TRANSFERRED TO  
MEASURED BY SONAR

MEASURED BY SONAR  
MEASURED BY INFRARED

©



### ELEVATION

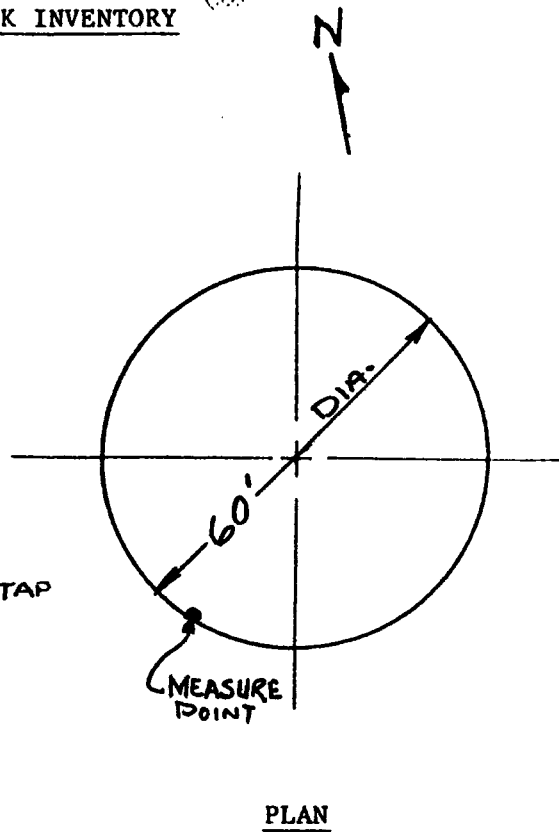


## PLAN

[illegible]

\* TRANSFERRED FROM A-1

( )



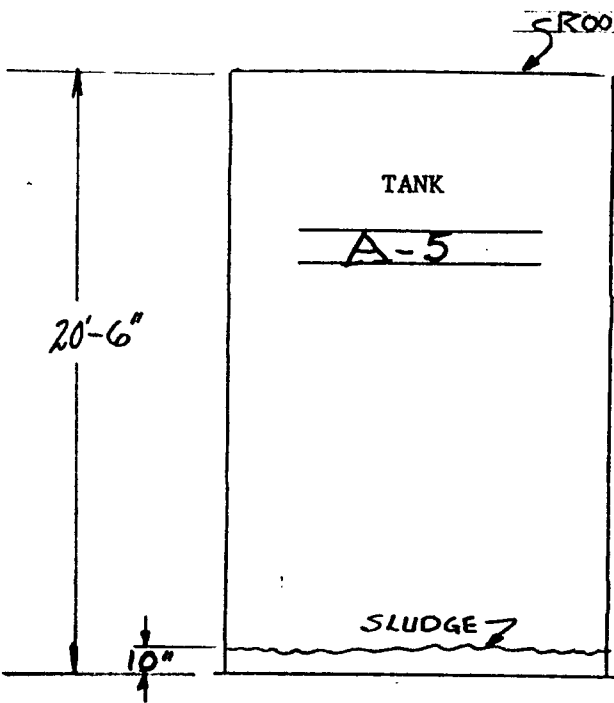
\*Includes oil, water and sludge.

(c)

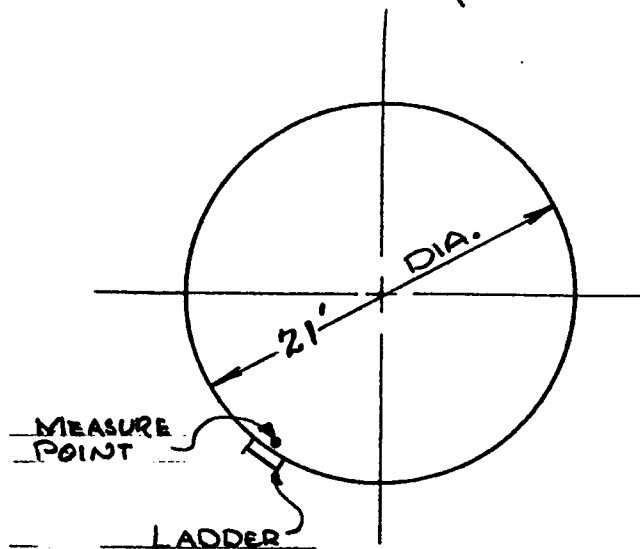


## WASTE CONVERSION

\*Includes oil, water and sludge.



### ELEVATION



## PLAN

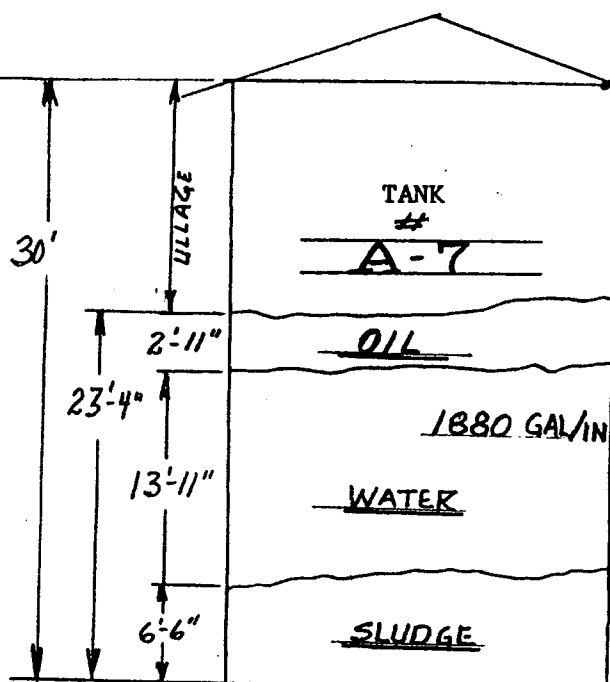
[illegible]

\*Includes oil, water and sludge.

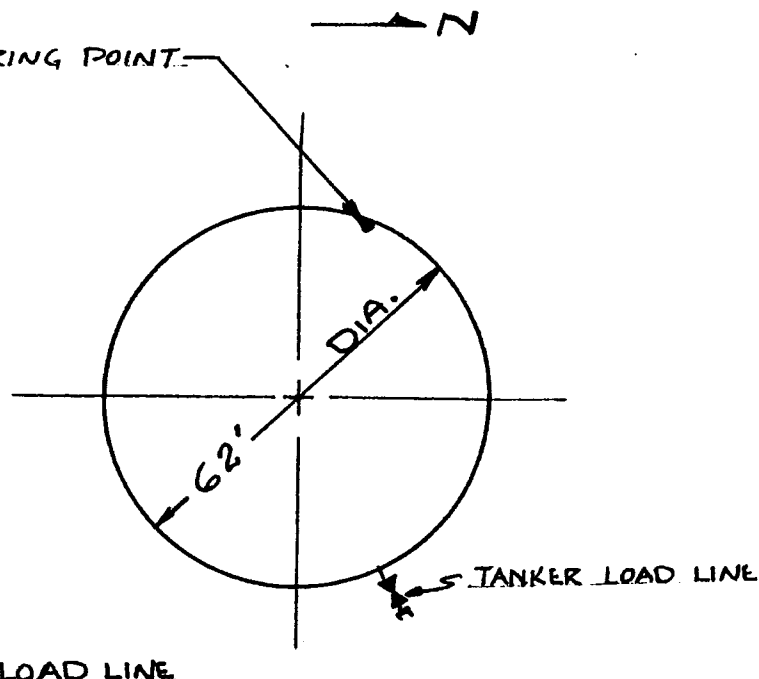


\*Includes oil, water and sludge.

## QUANTA - TANK INVENTORY



### ELEVATION



## PLAN

[illegible]

\*Includes oil, water and sludge.